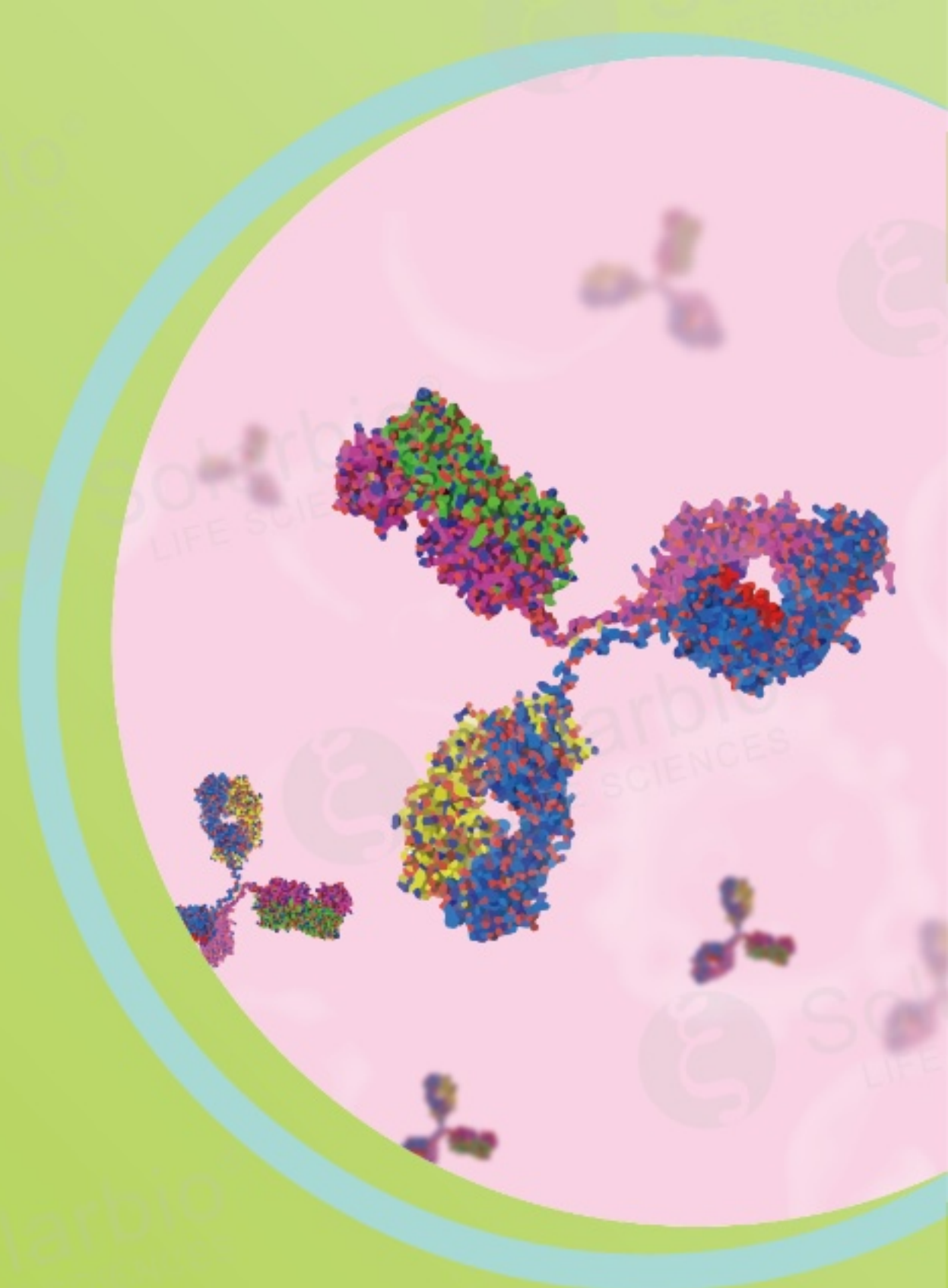
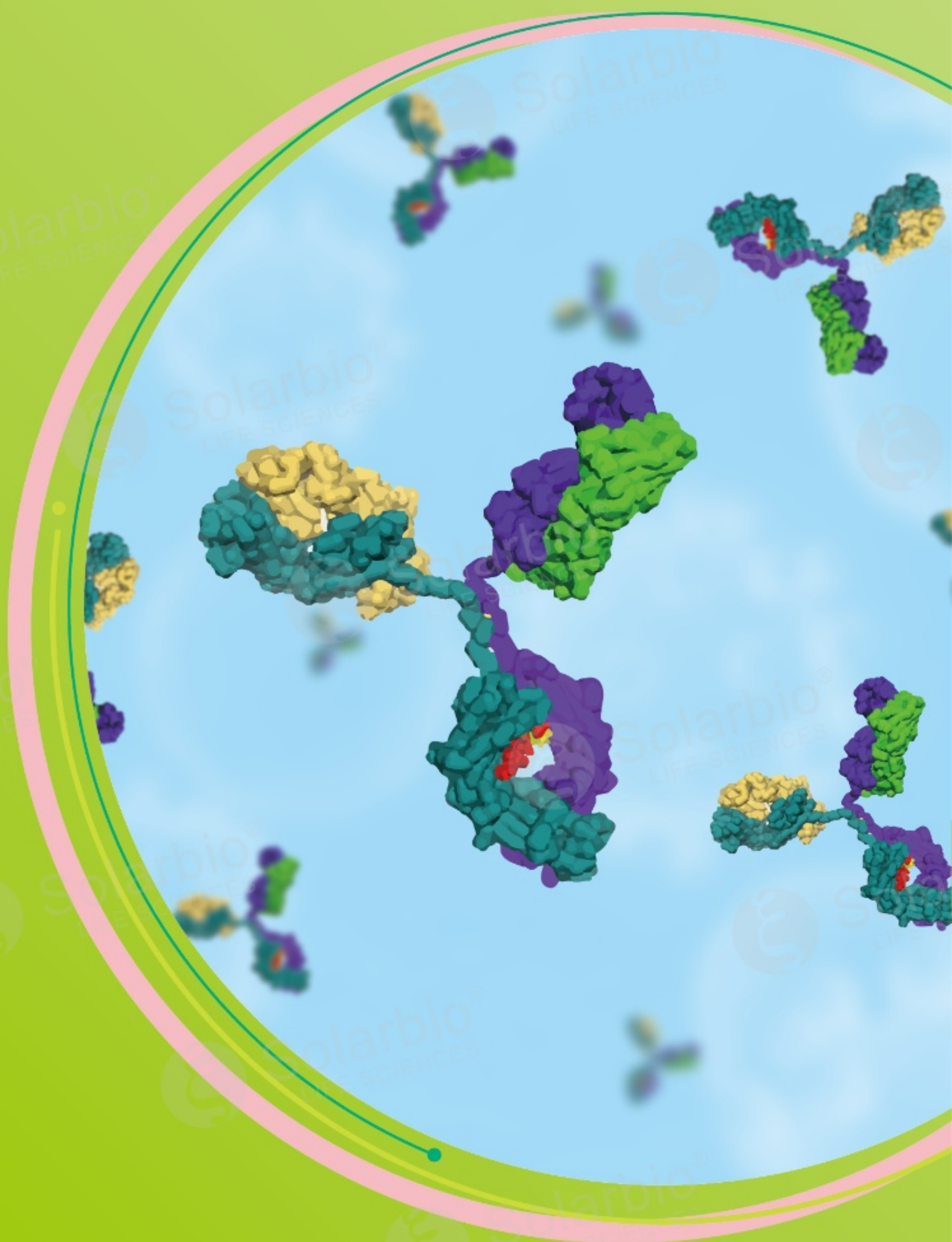
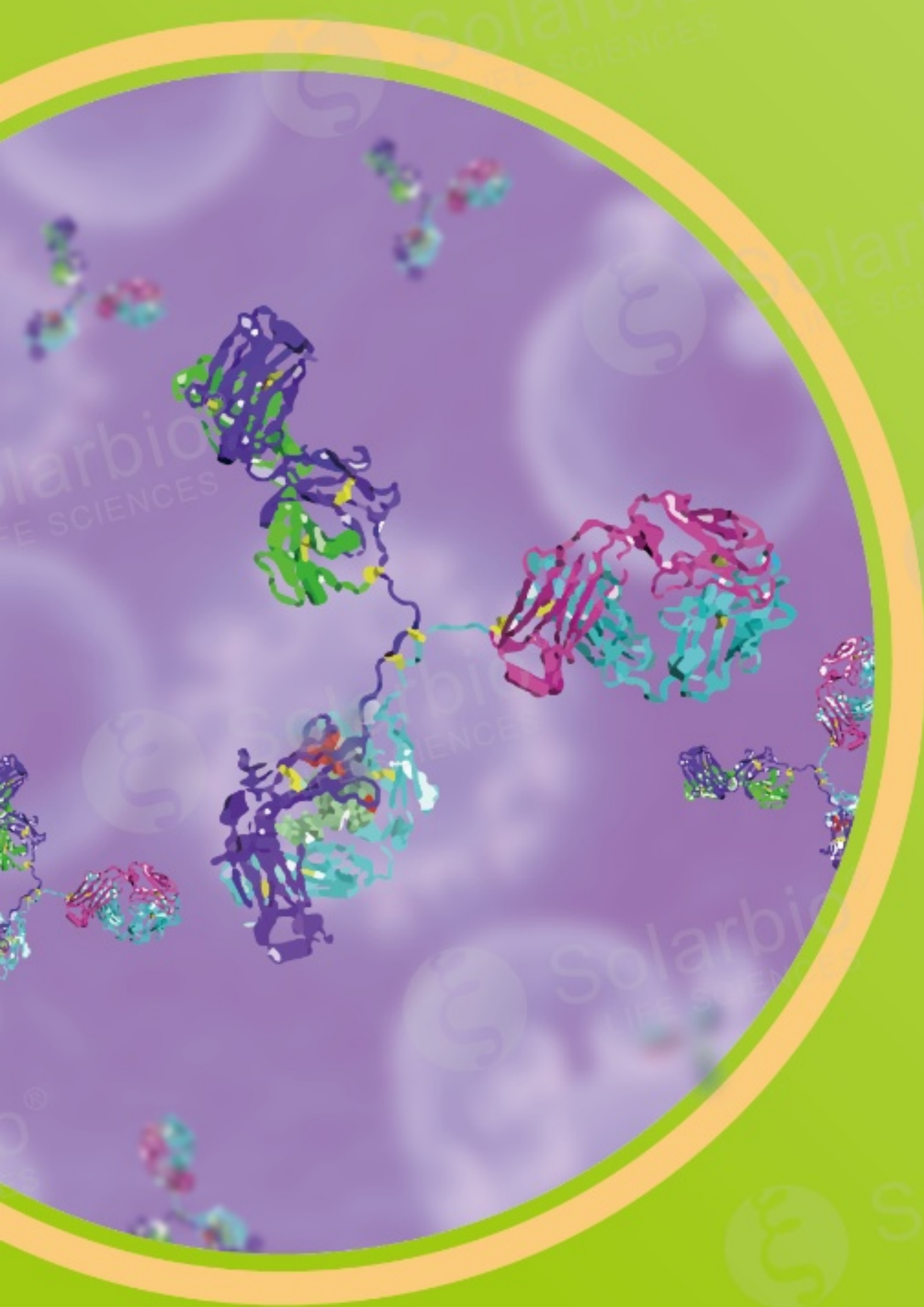


Antibody



Introduction

Solarbio antibody is prepared under the standard quality control system. Antibody is purified by affinity chromatography and have the characteristics of high specificity and affinity. Considering the characteristics of target protein for the antibody, such as isomer, activator, modification and protein interaction, etc. Whether the antibody is qualified by testing multiple application and verification (WB, IHC, IF, FC, IP, KO, etc) for different types of samples. We also test repeatedly to ensure the lot-to-lot consistency of each batch antibodies and the repeatability and reproducibility of the experiments. Annual production capacity is about 2000 antibodies for new target.

Antibody was validated in accordance with the standard procedure before shipment. Antibodies are stored as freeze-dried powder at -20°C . Before shipment, we diluted the antibody with dilution containing glycerol and stabilizer. We ensure the stability of antibody while avoiding repeated freezing and thawing in the experimental process.

We provide you with high quality products and service. Please enjoy the best service you deserve.

R&D and QC platform



The best experimental results are guaranteed by professional research and development personnel who is equipped with advanced instruments

Manufacturing & Quality Control Standards

◆ Immunogen (peptide/recombinant protein)

Purity of peptide/recombinant protein $>90\%$, High-purity immunogen make high-affinity antibodies;

◆ Immunization

The largest animal immunization base in China/Pure New Zealand rabbits/Professional technicians/Mature emulsification technology and immunization technology/We apply the technology that the hybridoma cell lines secreted stable monoclonal antibodies;

◆ Antibody Validation

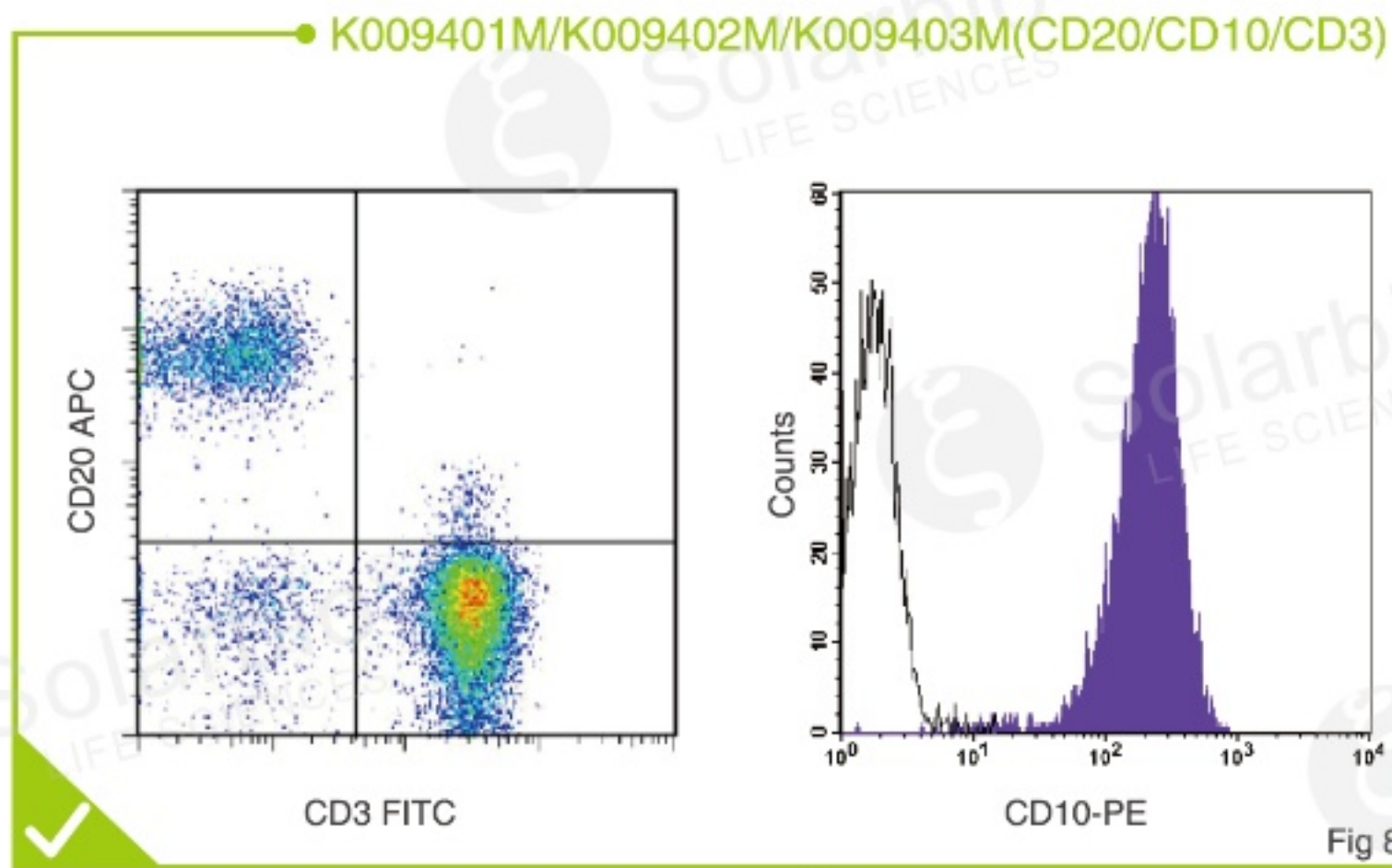
To ensure the repeatability of the experimental results, we use multiple applications (WB, IHC, ELISA, IF, FC, IP, etc) and different samples to verify antibodies, especially specificity, consistency and reproducibility;

◆ Quality Control

Strictly follow the experimental standard of process. Quality control testing every batch of products, the dates are real, traceable and repeatable.

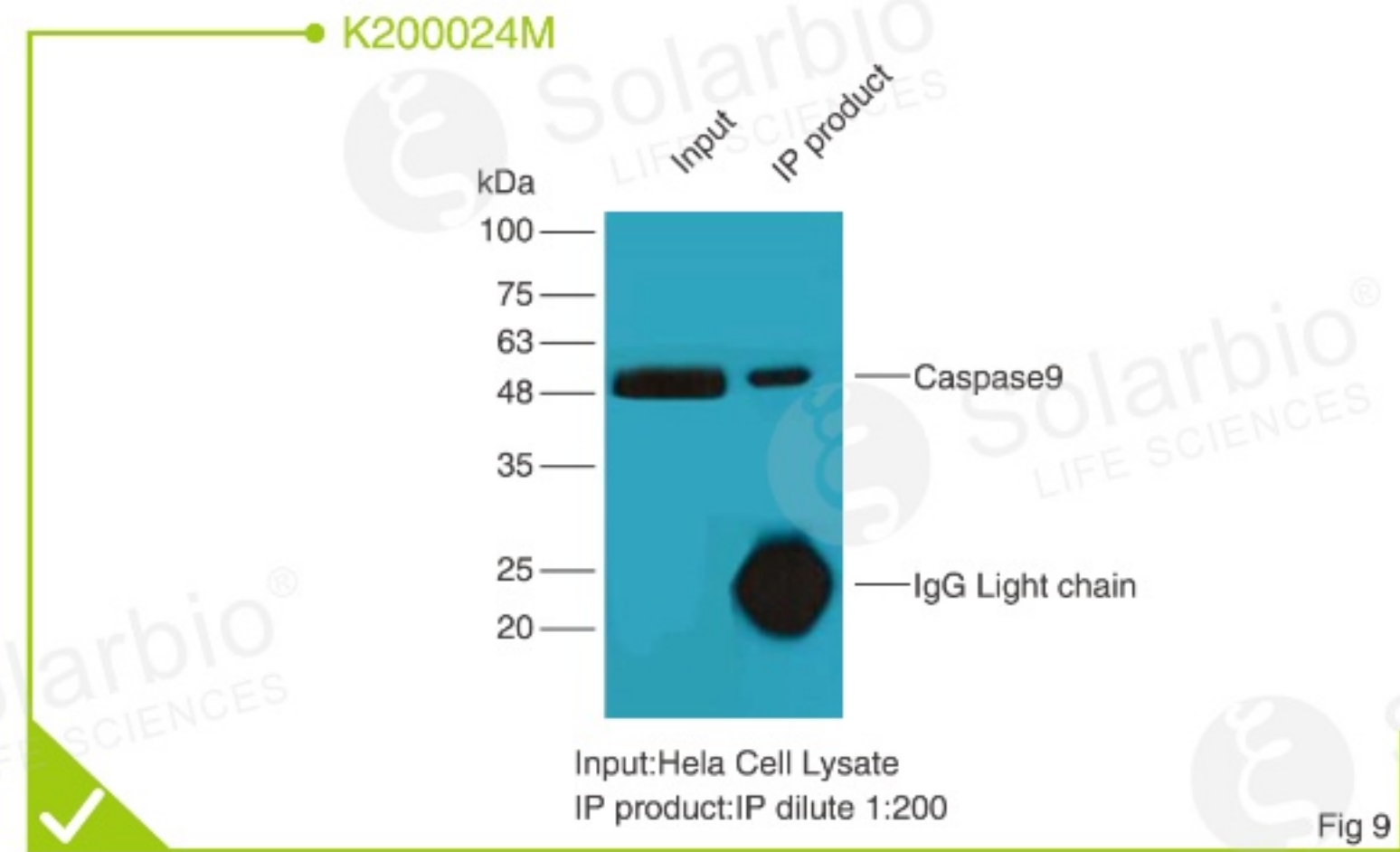
FCM

According to the theoretical value, a certain number of positive cells appeared (Fig 8)



IP

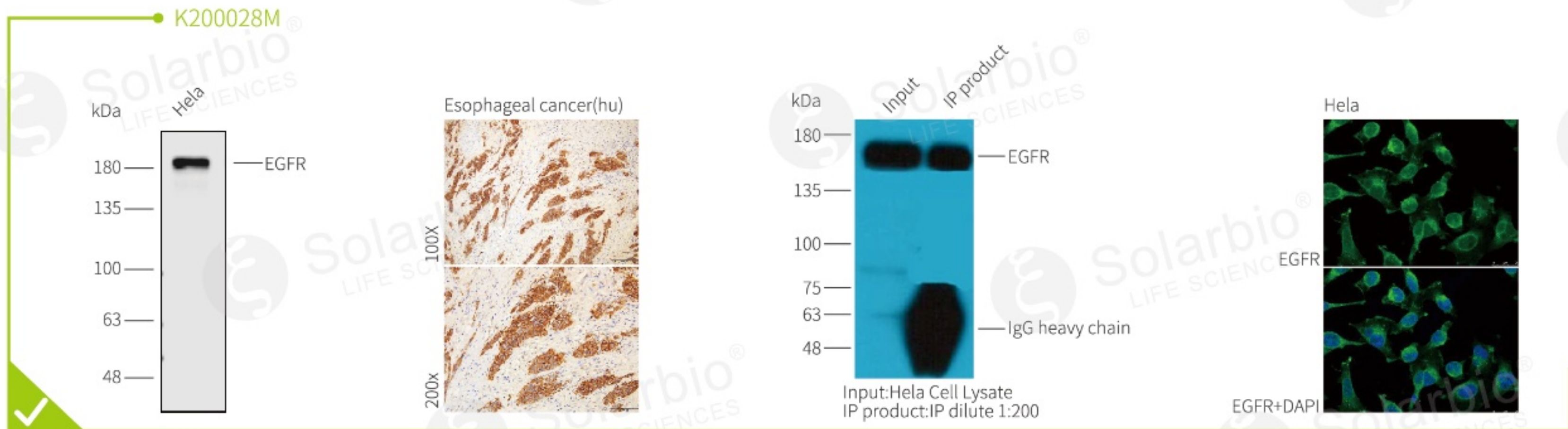
The bands of control samples are clear, the bands of IP products are also clear (Fig 9)



Multiple Validations

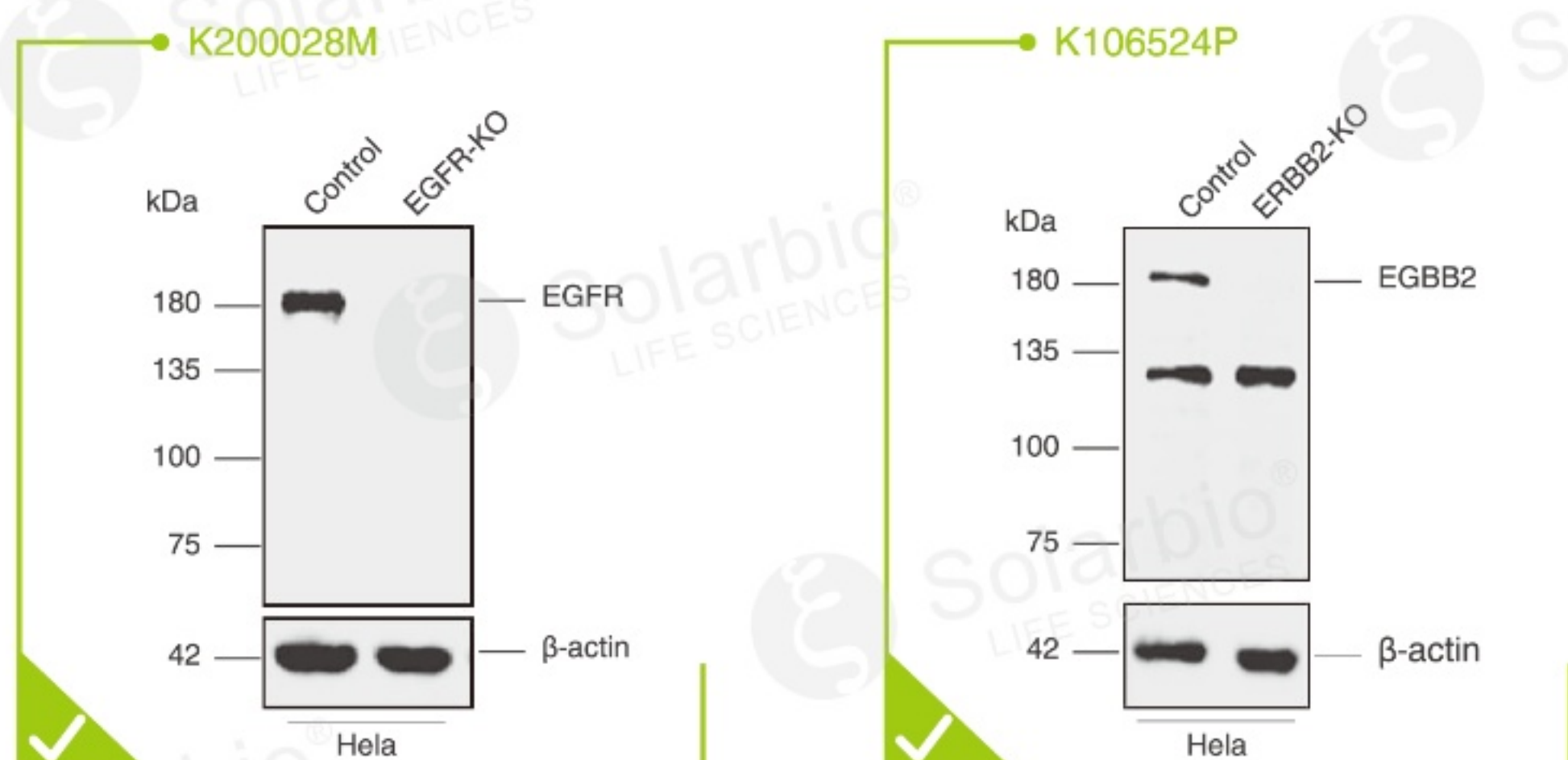
Application

These antibodies are validated in multiple applications, such as WB, IHC, IF, FC, IP/Co-IP, etc.



Knock Out

Western blot using knock out (KO) cell lysate has become a new practice for antibody validation. In KO validation, a knockout cell line was paired with the parental cell line in western blot analysis. A truly specific antibody recognizes the target protein of right molecular weight in the WT cell lysate, but not in the KO cell lysate.



Description

Primary Antibody

Secondary Antibody

Tag Antibody

Loading Controls Antibody

Modified Antibody

Label the Antibody

Application Fields

Immunology

Cell Biology

Cancer

Cardiovascular

Signal Transduction

Neuroscience

Stem Cell

Microbiology

Epigenetics

Developmental Biology

Metabolic Regulation

Solarbio antibody covers more than 80 signal pathways targets with a wide selection range.

1 MAPK-p38 Signaling Pathway

2 JAK-STAT Signaling Pathway

3 PI3K-AKT Signaling Pathway

4 mTOR Signaling Pathway

5 NF-κB Signaling Pathway

6 Wnt Signaling Pathway

MAPK-p38 Signaling Pathway

产品名称

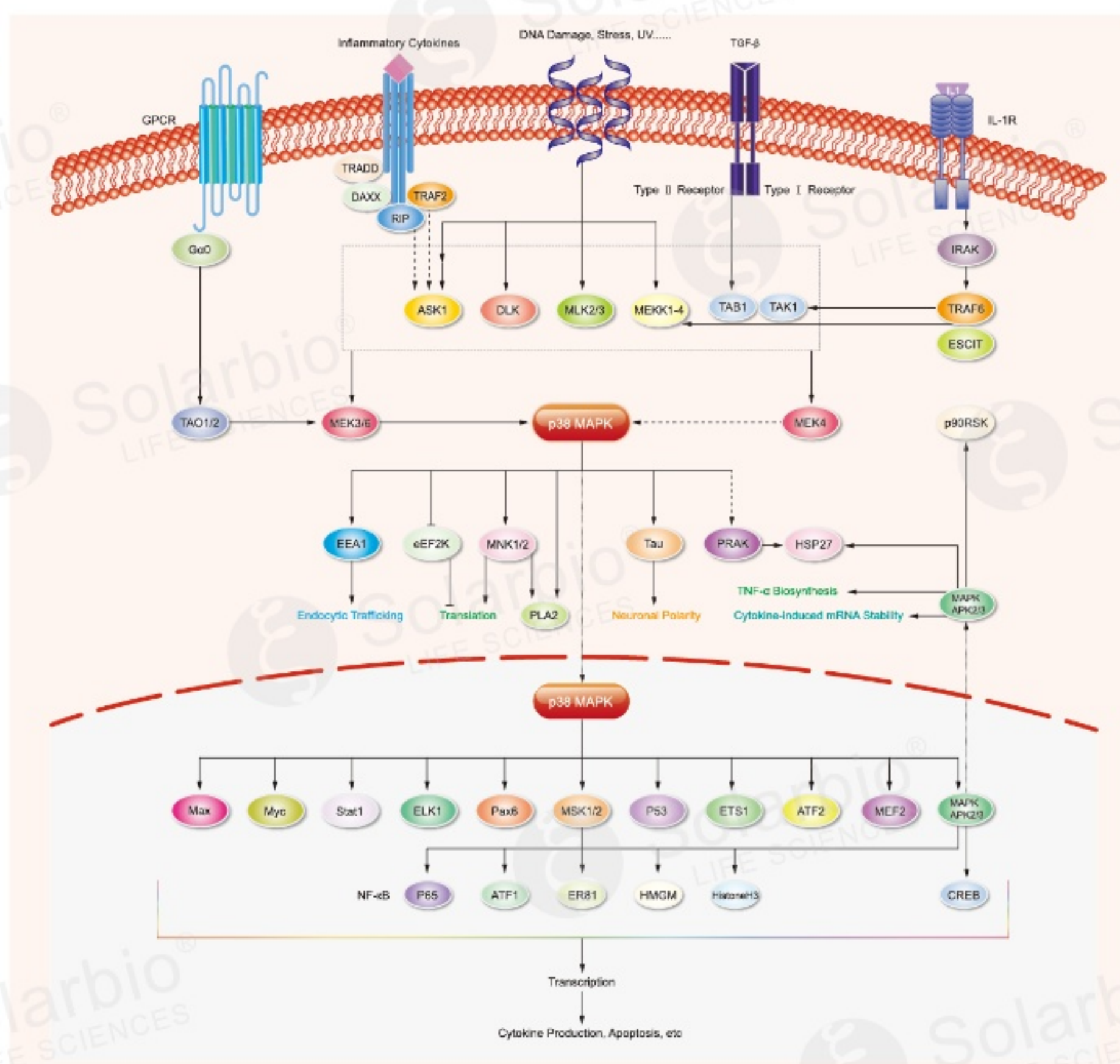
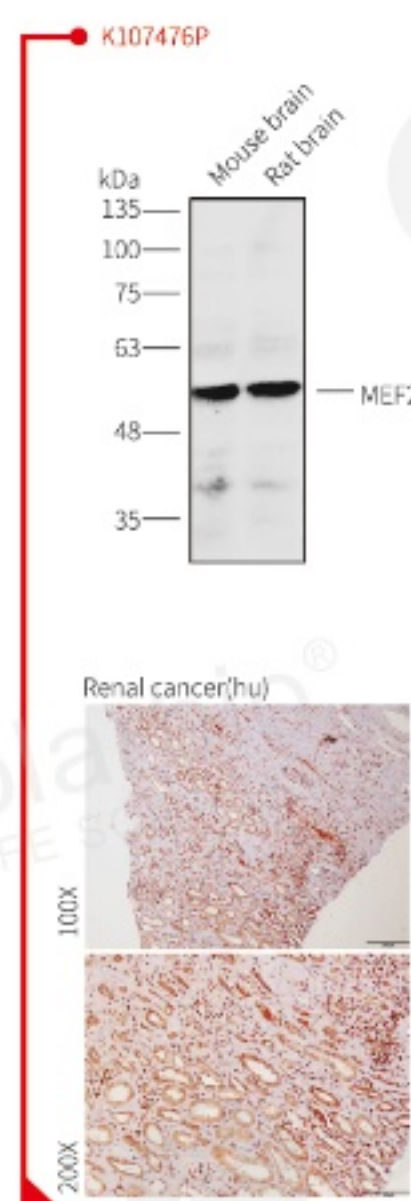
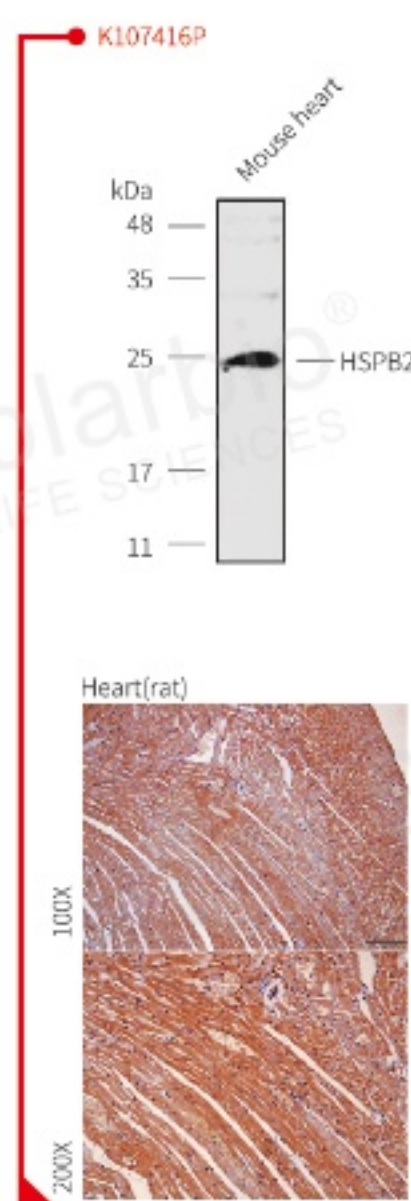
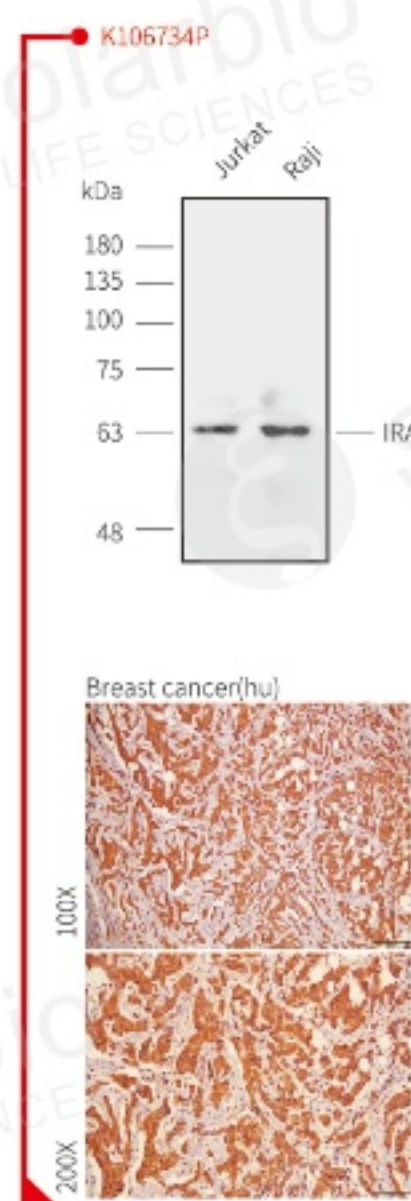
IRAK1
IRAK4
TRAF6
DLK1
MAP3K5
TRAF2
MEK3

产品名称

MAP2K4
MAP2K6
EEA1
eEF2K
ATP7A
KAT5
MAPT

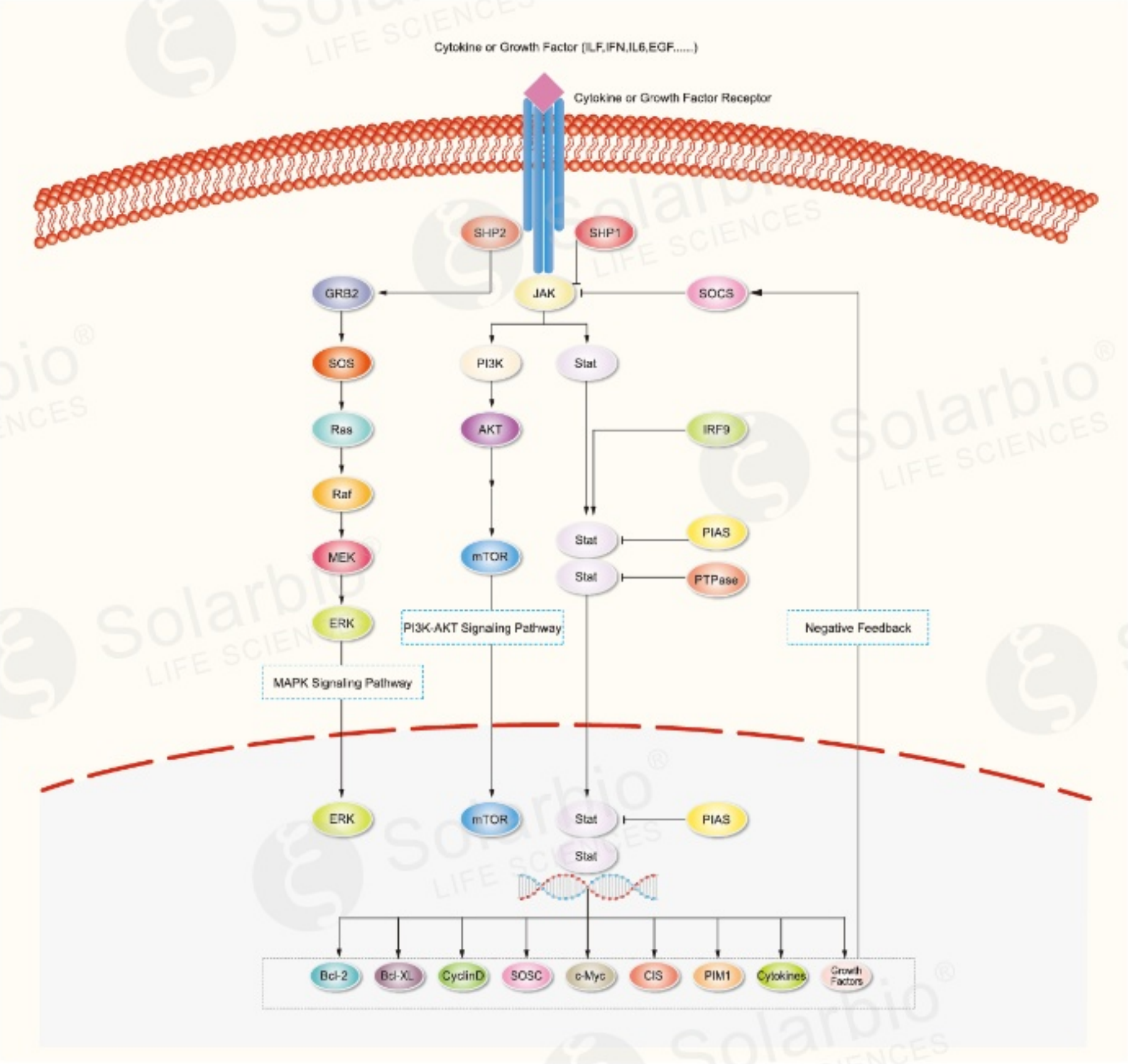
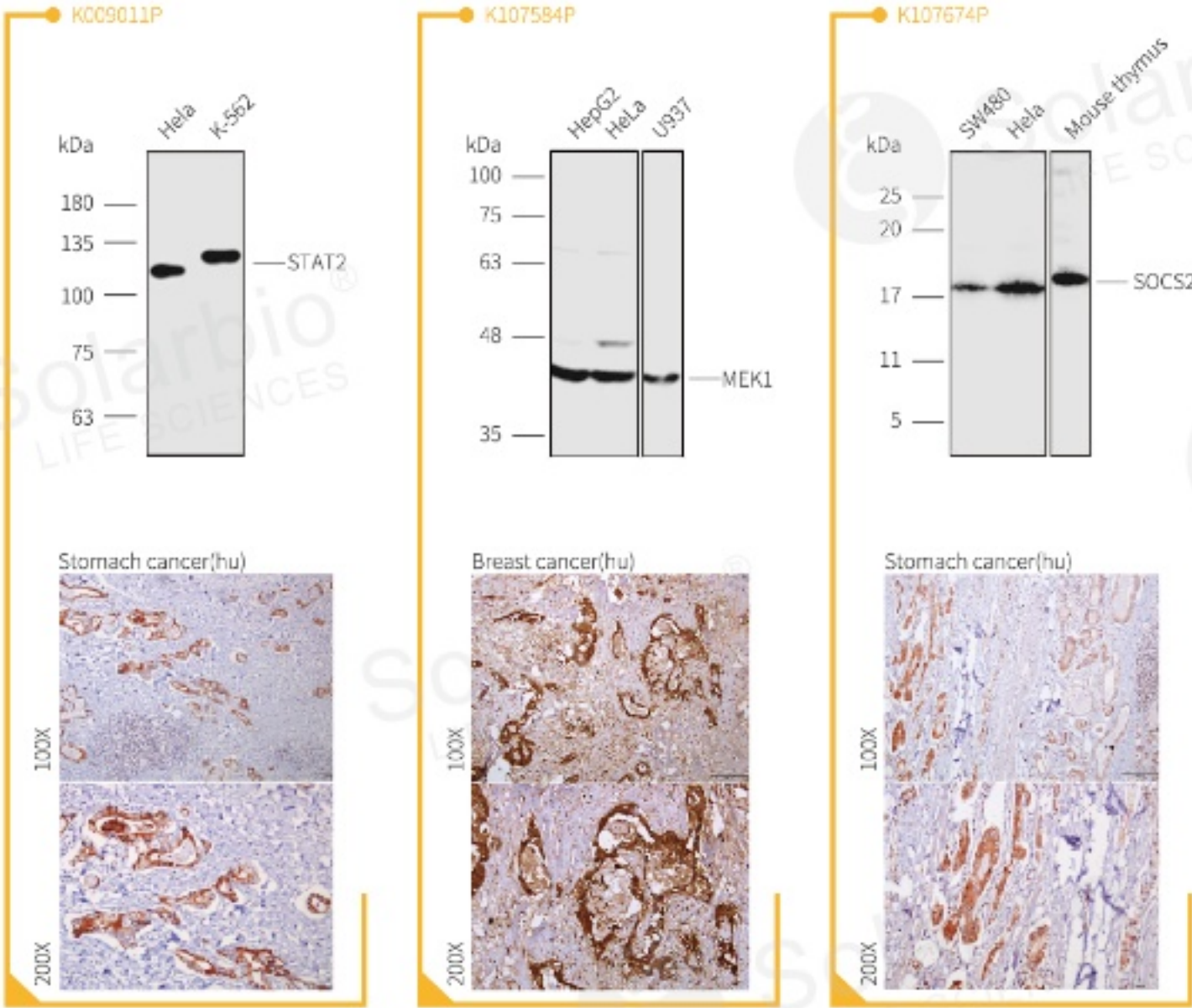
产品名称

HSPB2
RPS6KA1
STAT1
PAX6
ETS1
CREB1
MEF2C



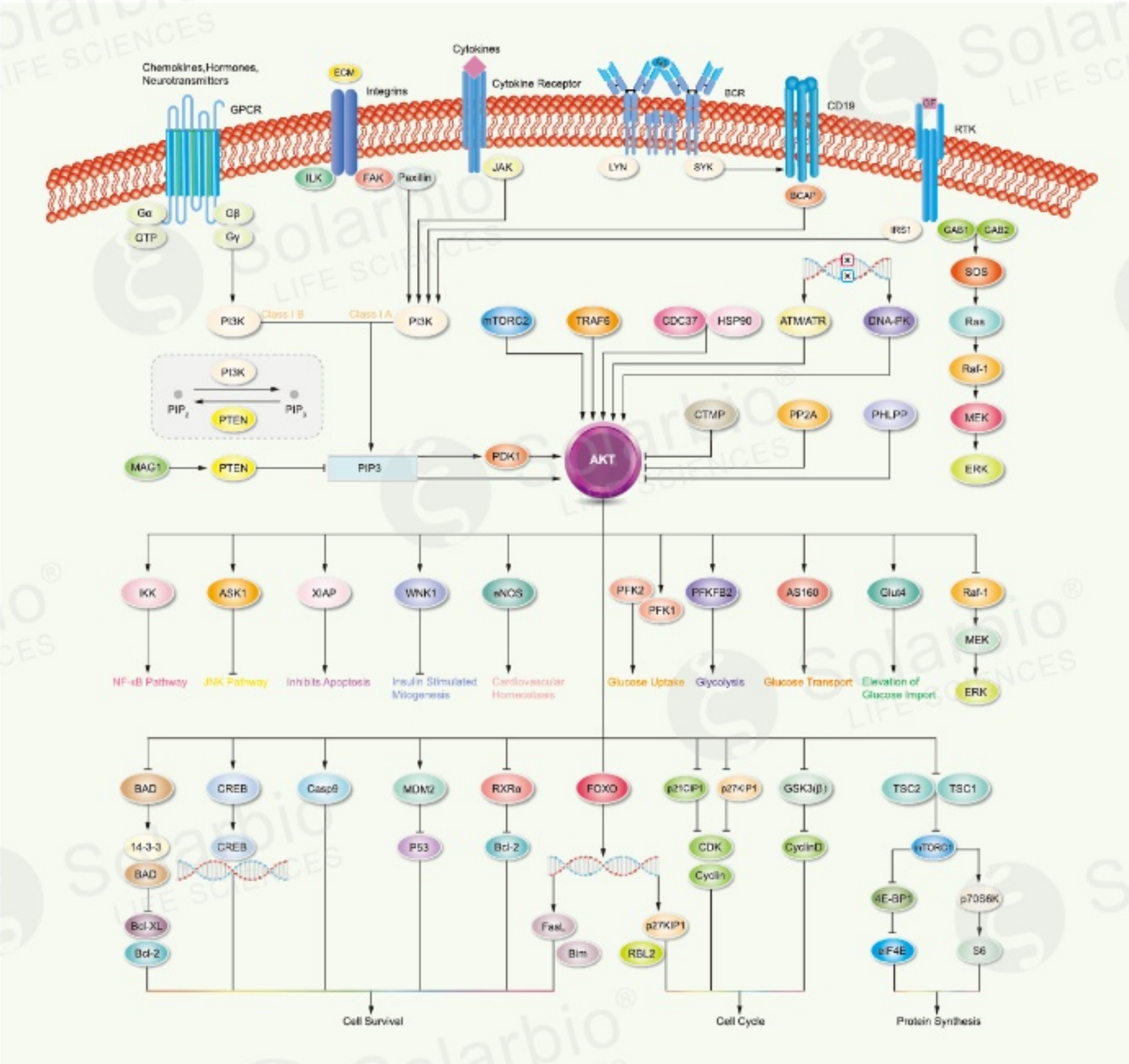
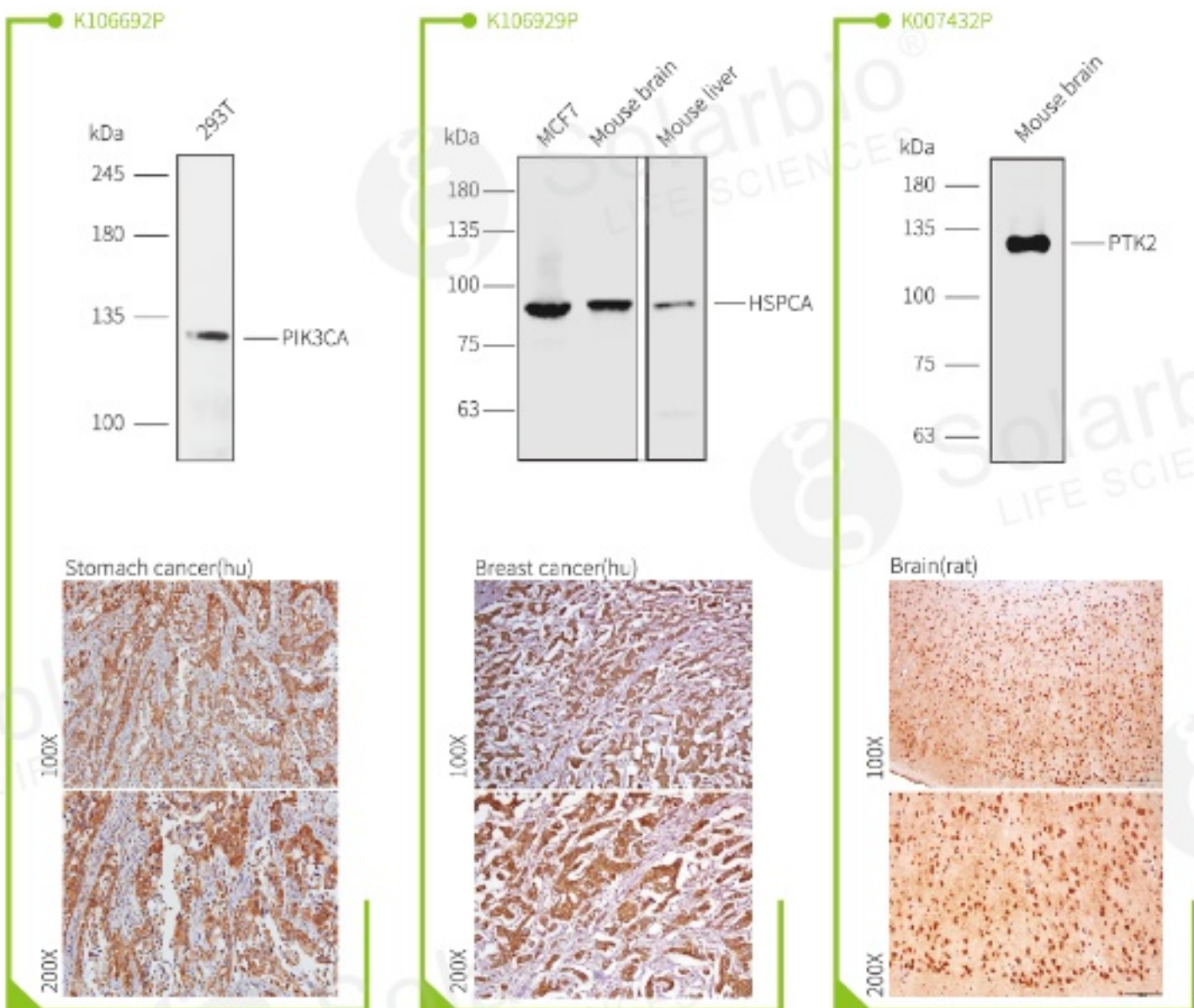
JAK-STAT Signaling Pathway

产品名称	产品名称	产品名称
GRB2	PIM1	AKT1
SOCS2	CCND1	mTOR
SOCS3	PIAS1	PTPN11
STAT1	JAK3	MYC
STAT2	RAF1	PIAS1
STAT5A	PIK3CA	MAPK1
MEK1	PIK3CG	PTPN6

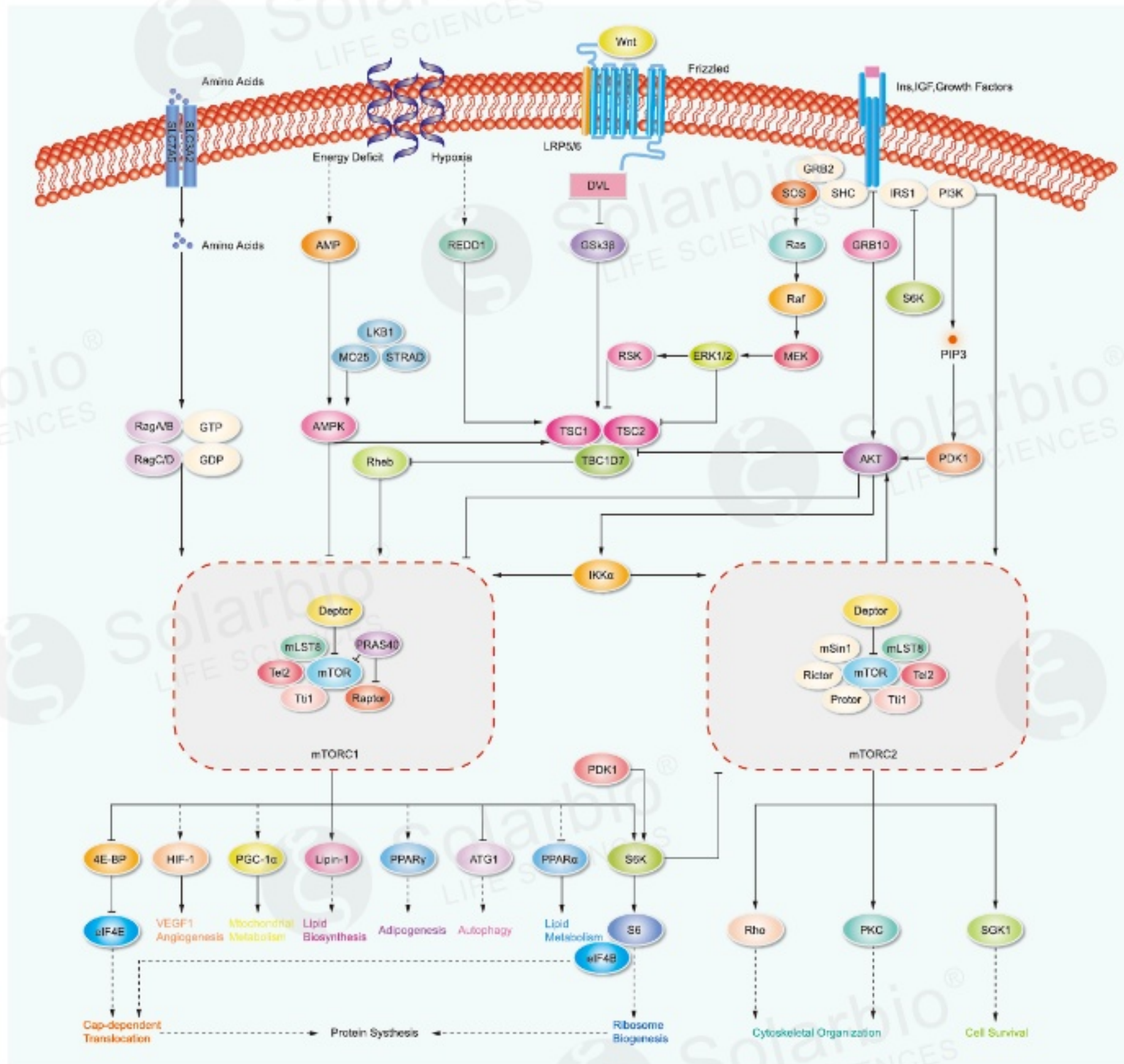
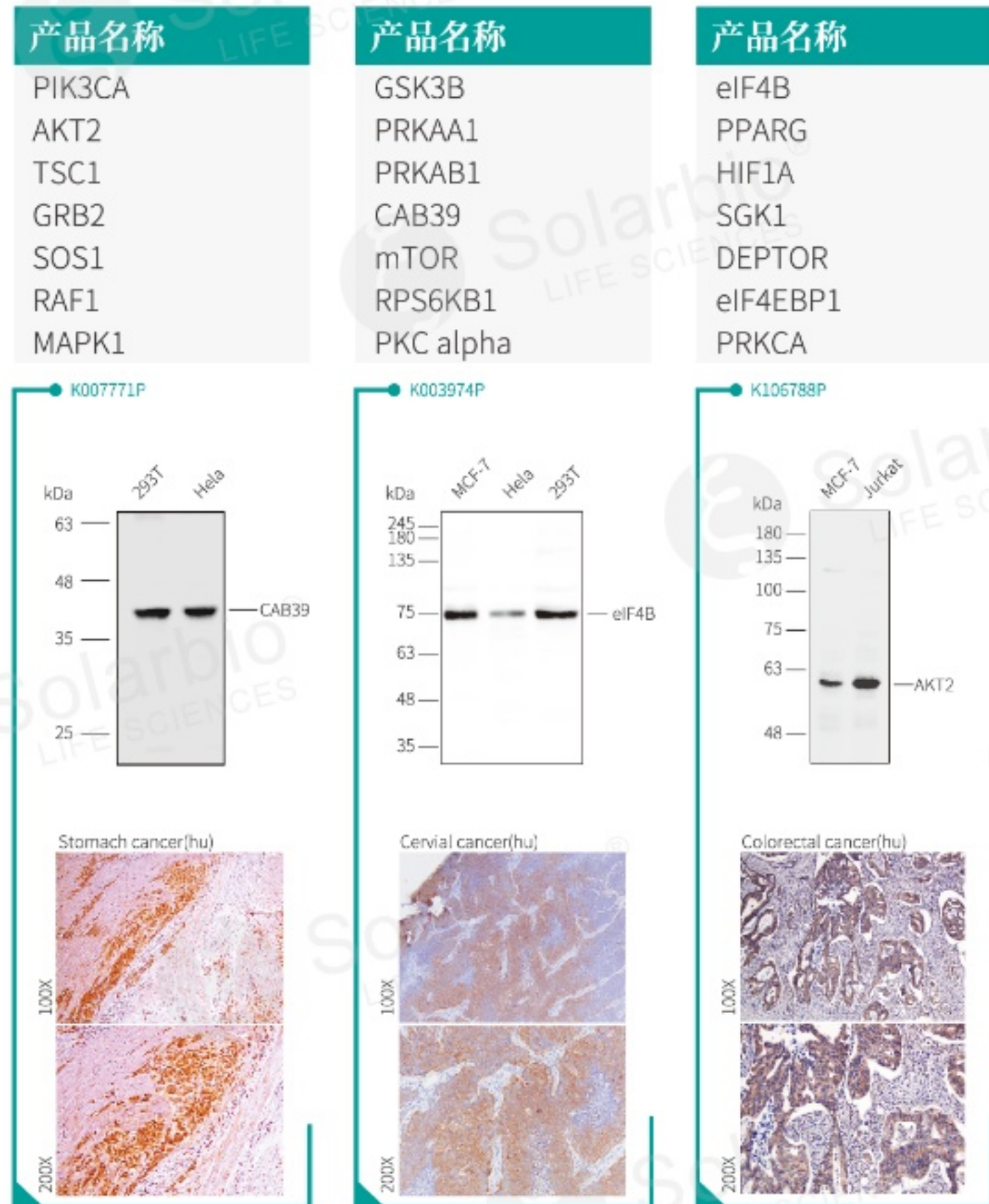


PI3K-AKT Signaling Pathway

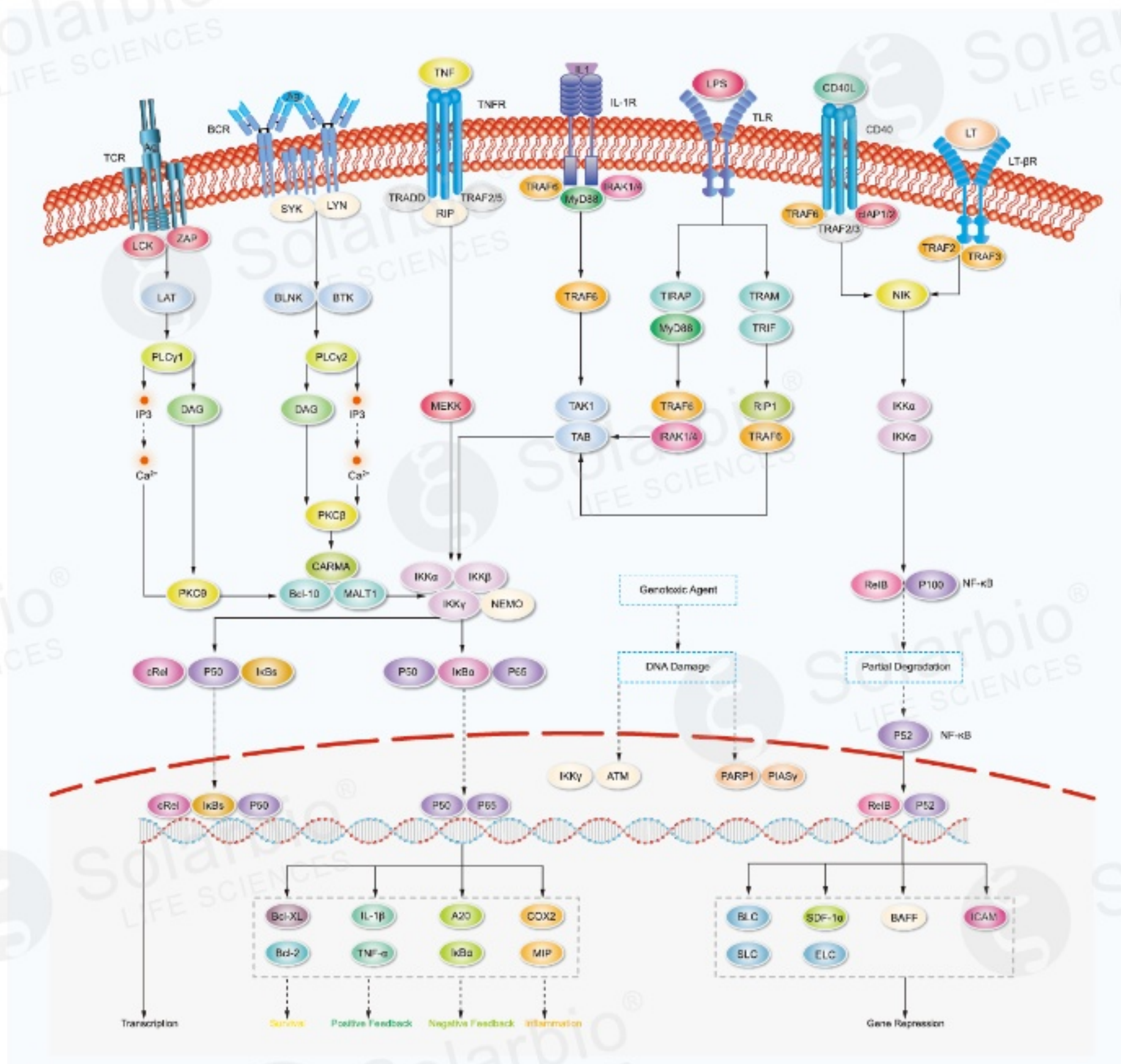
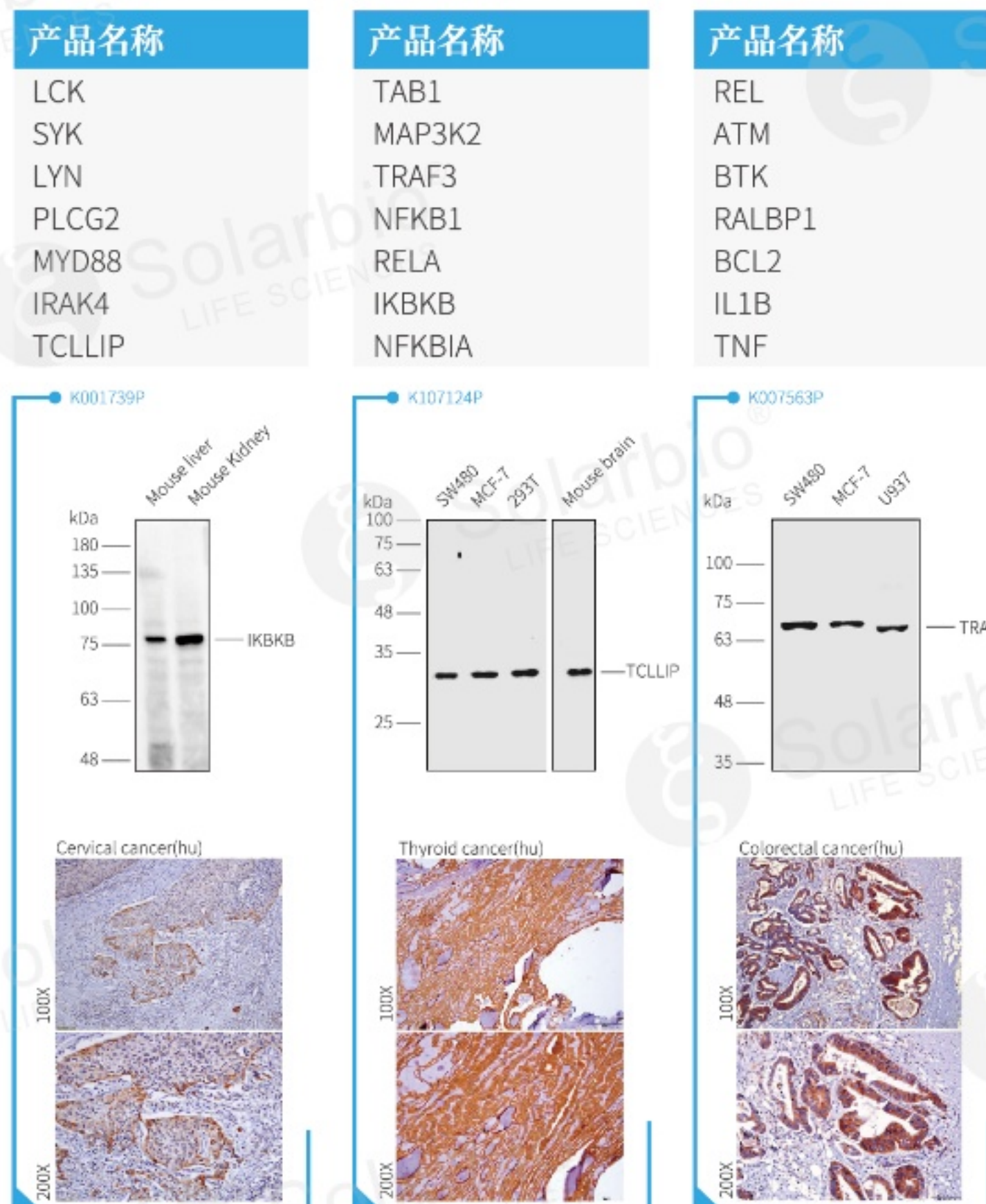
产品名称	产品名称	产品名称
PTK2	CDC37	AKT1
PXN	HSPCA	TSC1
ILK	eIF4E	TP53
IRS-1	WNK1	CCNG1
JAK1	CASP9	CDK1
SYK	CREB1	PIK3CA
PTEN	ATF4	RPS6KB1



mTOR Signaling Pathway



NF-κB Signaling Pathway



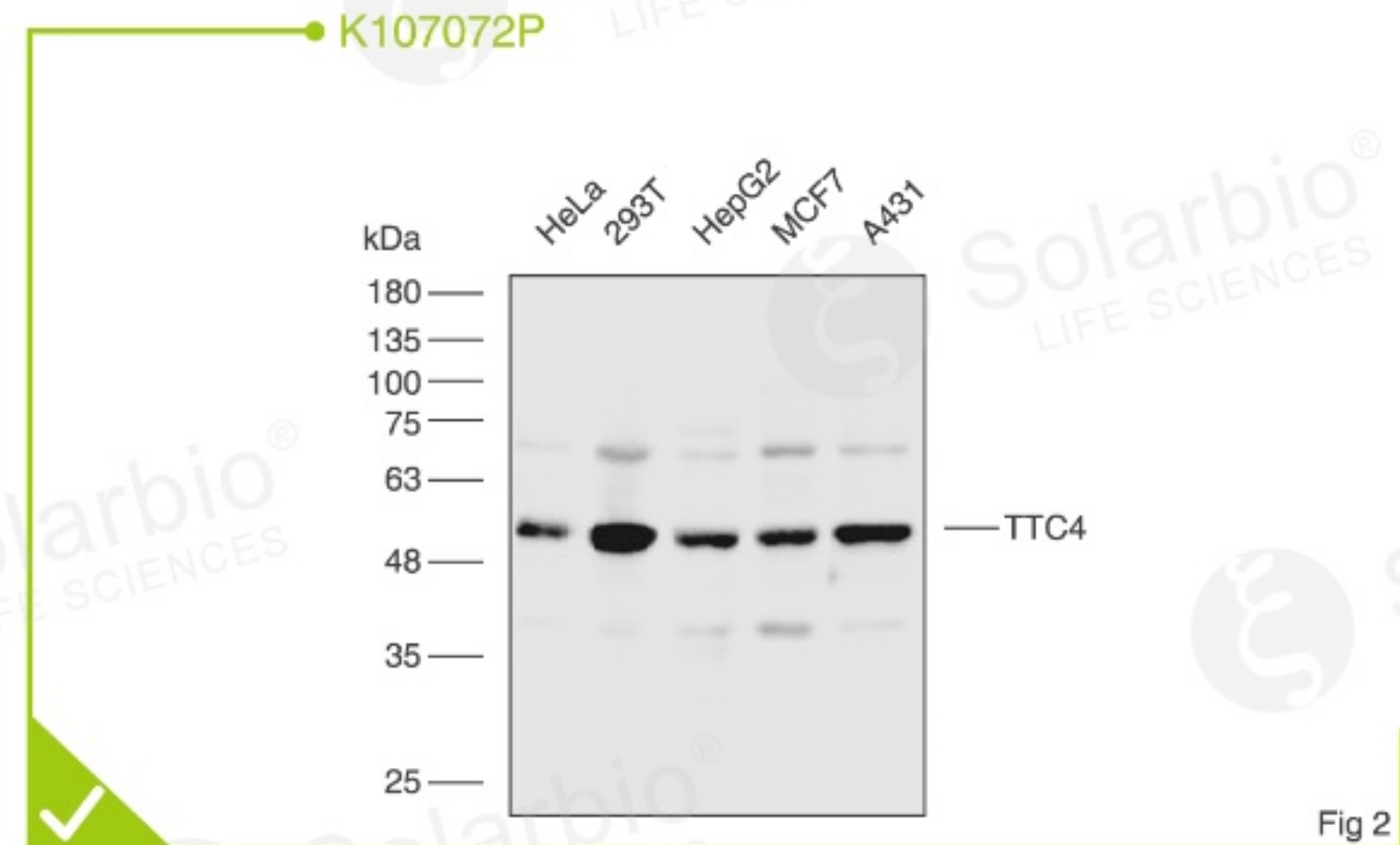
WB

Qualified products

The target band is specific in positive samples, such as different types and species samples (Fig 1)

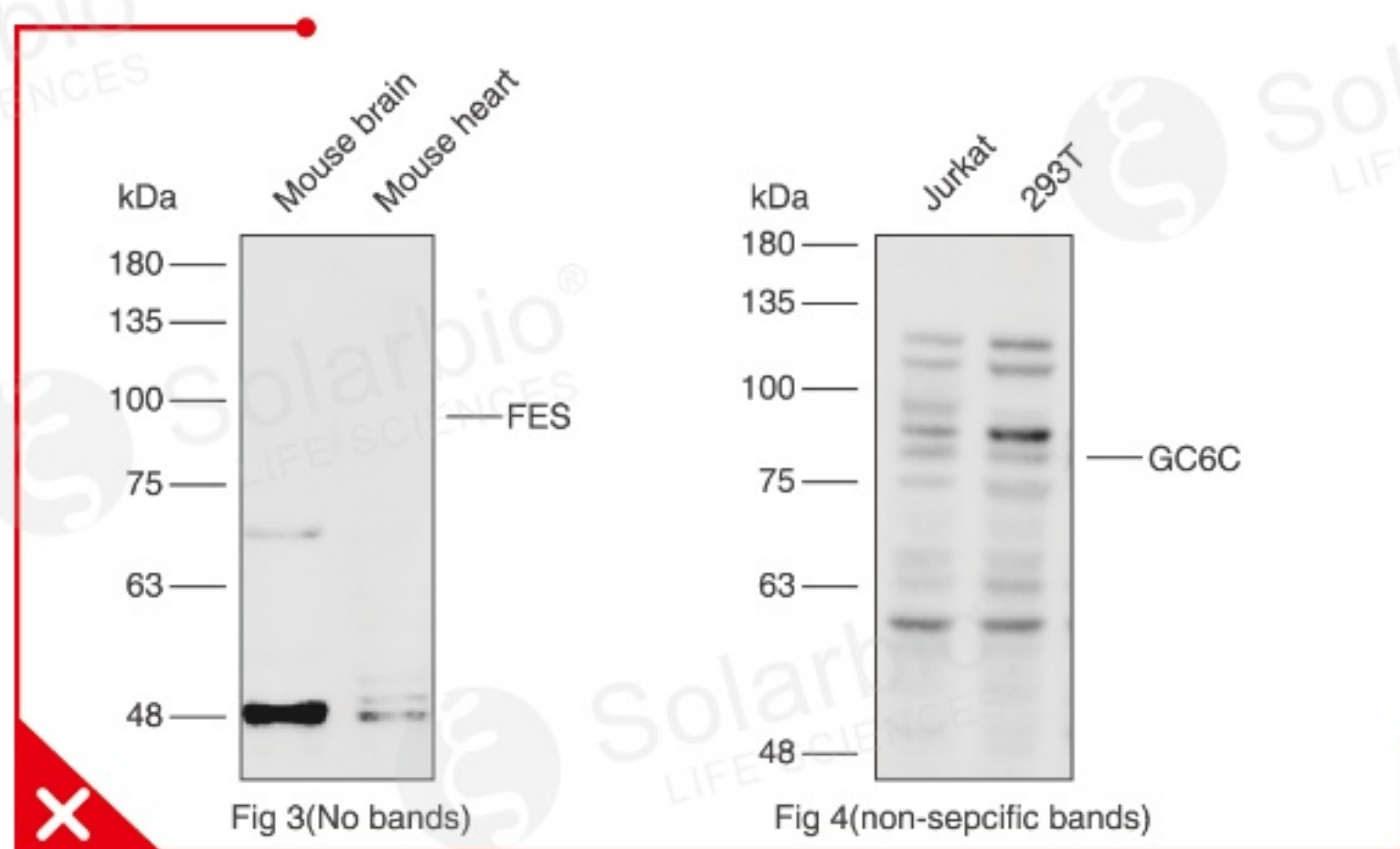


The non-specific bands are long distance from the target bands which does not affect the analysis of the results of the target bands (Fig 2).

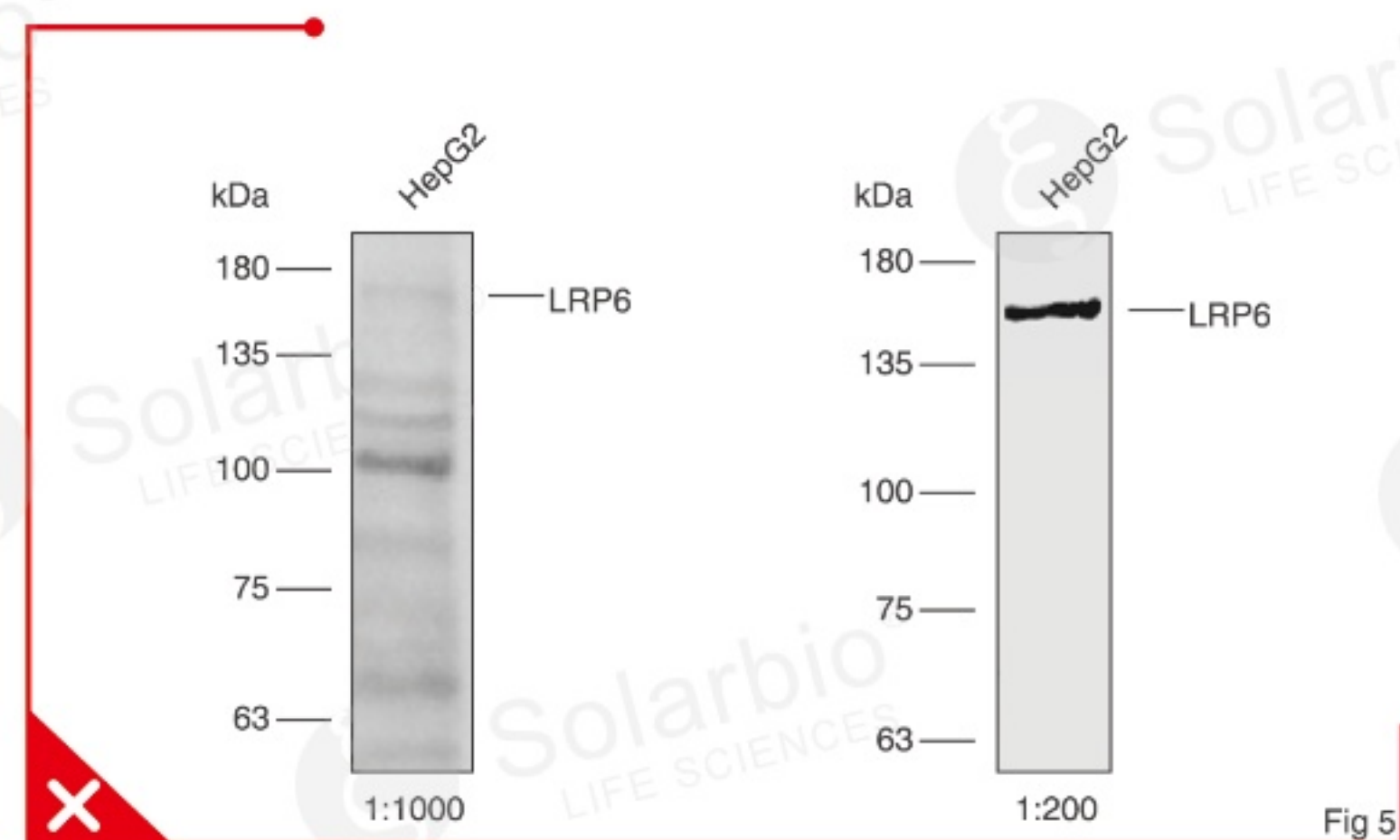


Unqualified products

No bands and the non-specific bands are shown in positive samples (Fig 3,4);



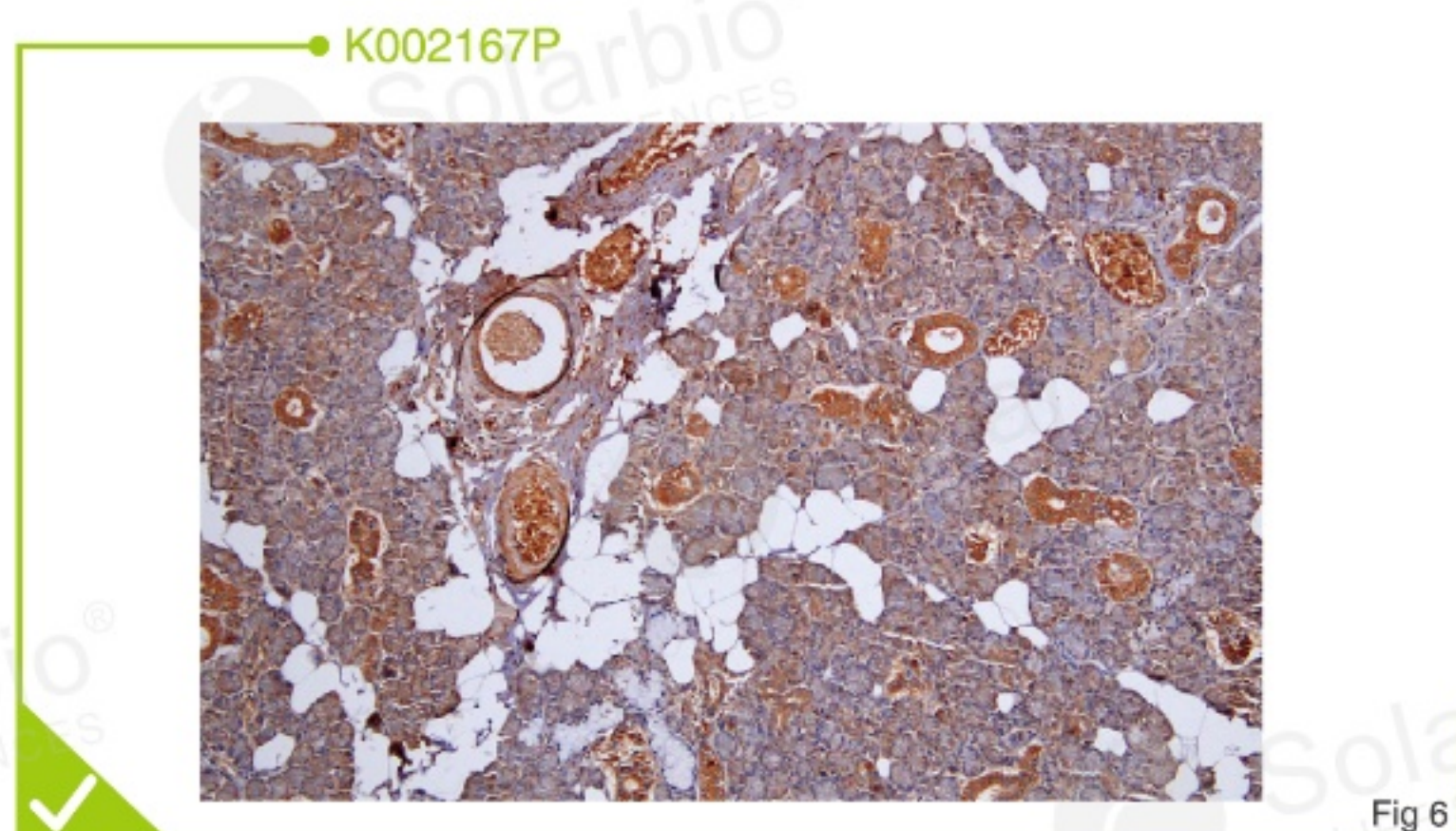
Specific bands are shown, but the primary antibody concentration is below 1 mg/ml, dilution > 1:1000 (Fig 5)



IHC

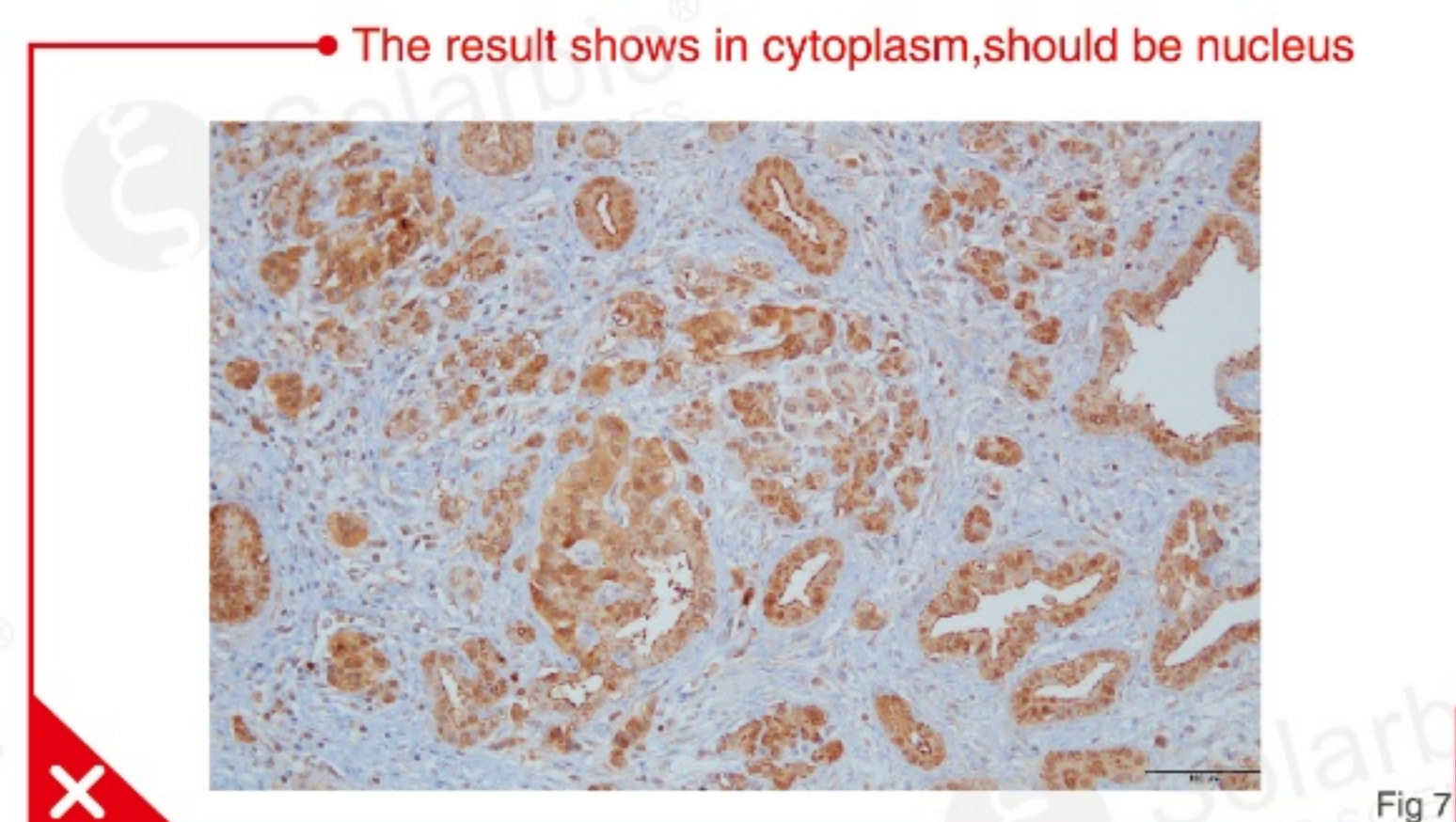
Qualified products

The target protein is accurately located in positive samples, the results are divided into three levels (+/++/+++) according to the expression of target protein in positive samples (Fig 6)



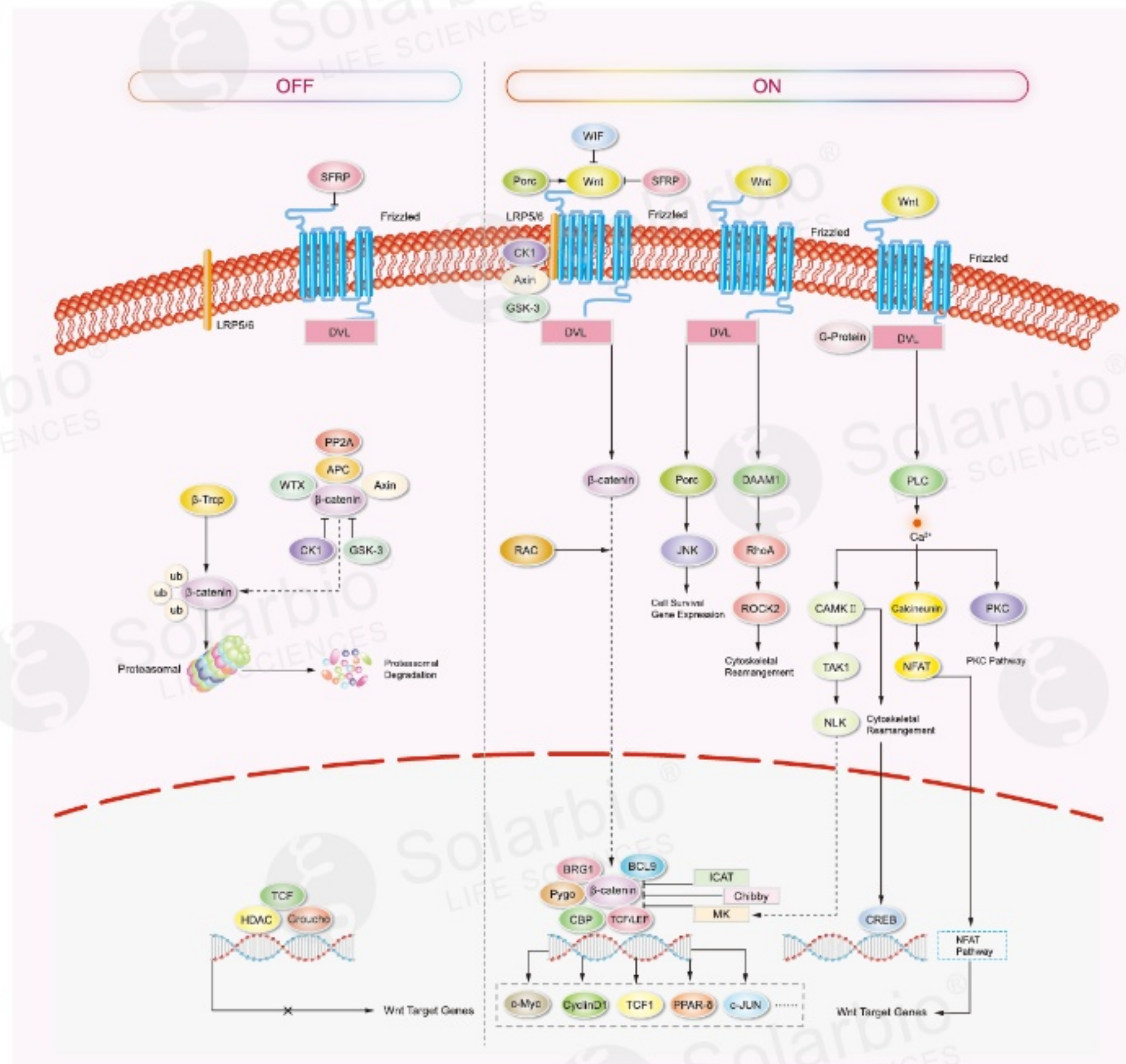
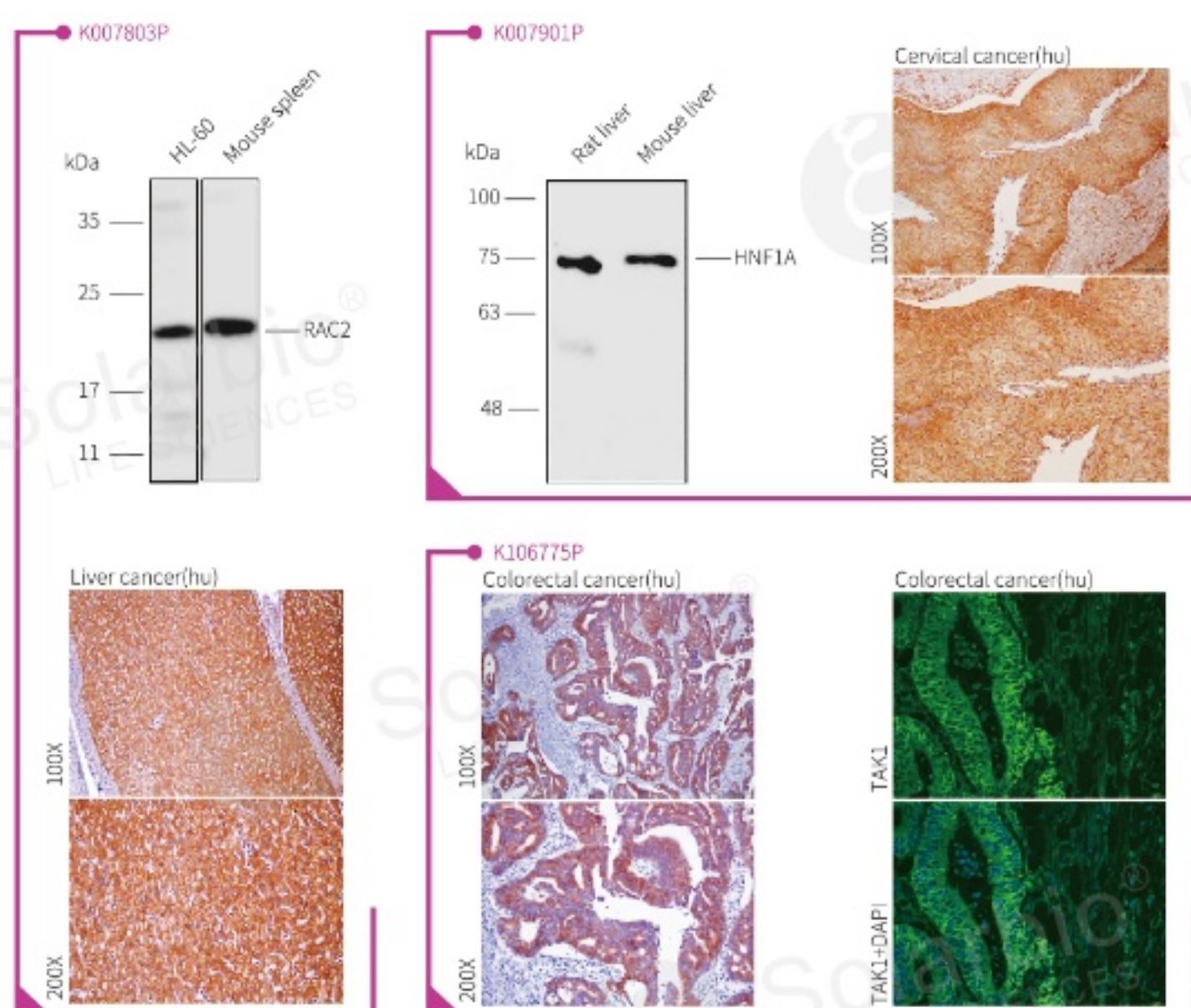
Unqualified products

The target protein has inaccurate location in samples (Fig 7).



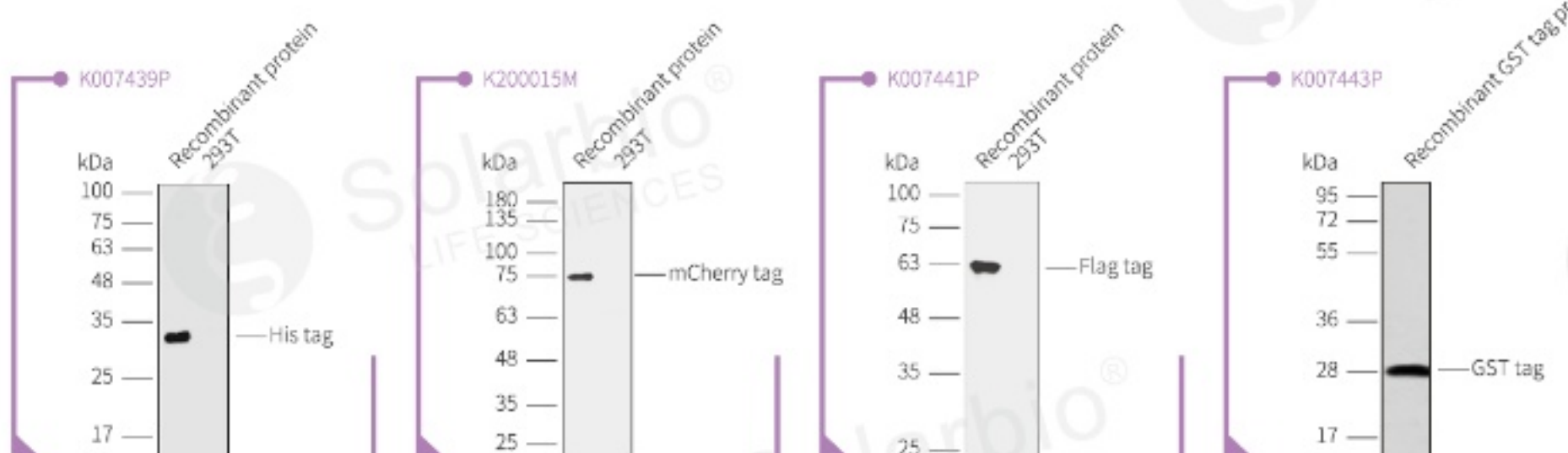
Wnt Signaling Pathway

产品名称	产品名称	产品名称
SFRP2	HDAC6	CAMK2B
LRP5	NRF1	MAP3K7
DVL1	HNF1A	PRKCA
ANAPC5	RAC2	CREB1
AXIN2	MAPK8	CCND1
GSK3B	RHOA	TAK1
BTRC	PLCB1	CTNNB1



Tag Antibody

产品名称	产品名称	产品名称
Flag	MBP	S
C-Myc	T7	Trx
HA	E2	mCherry
V5	HSV	RFP
VSV-G	KT3	GFP
GST	Strep	His



Customized Antibody Service

Antigen preparation

Protein Expression Service
Peptide Synthesis

Antibody preparation

Rabbit pAb Development Service
Mouse mAb Development Service

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