For Research Use Only

PTPRF Polyclonal antibody

Catalog Number:26860-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
26860-1-AP

Concentration:
400 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG25448

GenBank Accession Number:
BC048768

GeneID (NCBI):
5792

UNIPROT ID:
P10586

Full Name:
protein tyrosine phosphatase, receptor type, F

Calculated MW:
1898 aa, 212 kDa

Observed MW:
70-72 kDa, 150 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : MCF-7 cells, MKN-45 cells

Background Information

PTPRF (Protein Tyrosine Phosphatase Receptor Type F) is a receptor protein tyrosine phosphatase, also known as LAR. PTPRF is a transmembrane protein with extracellular domain, transmembrane domain and two intracellular catalytic domains in series. It is located in the cell membrane and participates in the interaction between cells or cell matrix. It is widely expressed in many tissues, including fat, skin, heart, lung, liver, kidney, pancreas, small intestine, colon, brain, skeletal muscle, spleen, peripheral white blood cells and so on. The protein plays an important role in regulating a variety of cell processes, including cell growth, differentiation, mitotic cycle and carcinogenic transformation. In the insulin-responsive tissues of obese and insulin-resistant individuals, the expression level of PTPRF is increased, which may contribute to the pathogenesis of insulin resistance. PTPRF showed expression changes in many cancers, such as breast cancer, thyroid cancer, non-small cell lung cancer and so on. In gastric adenocarcinoma, PTPRF, as a new tumor suppressor, plays a role by inactivating ERK1/2 signaling pathway (PMID: 32973331). The total length of the protein is 175-200kd, and after cutting, it forms 125-150 and 80-85kd,70 and 72kDa fragments (PMID: 1547787, PMID: 17259169).

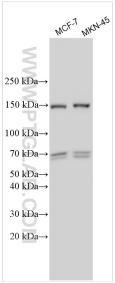
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26860-1-AP (PTPRF antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.