

PTRF (Phospho Tyr156) Rabbit pAb

CatalogNo: YP1774

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 55kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human PTRF (Phospho-Tyr156)

Specificity This antibody detects endogenous levels of PTRF (Phospho-Tyr156) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): MlyQD

| Target Information

Gene name PTRF FKSG13

Protein Name PTRF (Phospho-Tyr156)

Organism	Gene ID	UniProt ID
Human	284119;	Q6NZI2;
Mouse	19285;	O54724;
Rat		P85125;

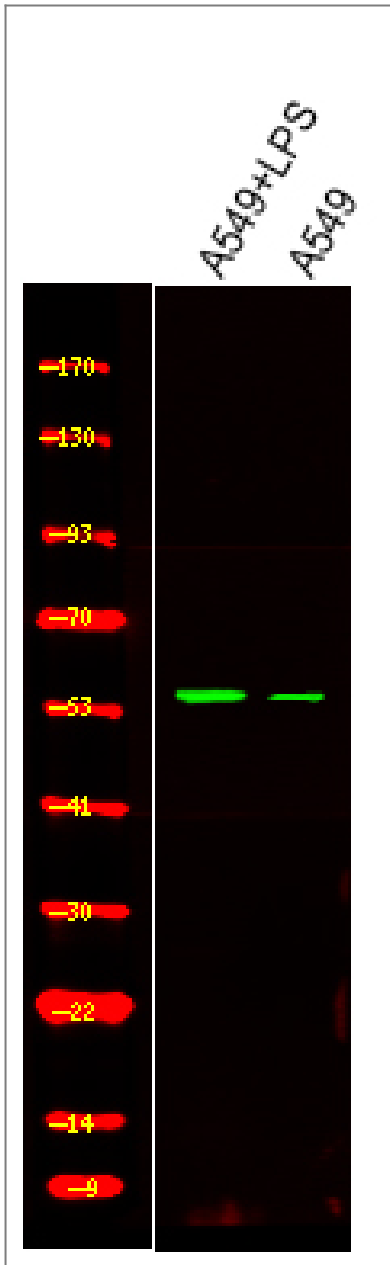
Cellular Localization Membrane, caveola . Cell membrane . Microsome . Endoplasmic reticulum . Cytoplasm, cytosol . Mitochondrion . Nucleus . Translocates to the cytoplasm from the caveolae upon insulin stimulation (PubMed:17026959). Colocalizes with CAV1 in lipid rafts in adipocytes. Localizes in the caveolae in a caveolin-dependent manner (By similarity). .

Tissue specificity Adipocyte,Epithelium,Lung,Muscle,Pancreas,Testis,

Function Function:Termination of transcription by RNA polymerase I involves pausing of transcription by TTF1, and the dissociation of the transcription complex, releasing pre-rRNA and RNA polymerase I from the template. PTRF is required for dissociation of the ternary transcription complex.,PTM:Five truncated forms are found in the caveolae. These are thought to be the result of proteolysis and may be phosphorylation-dependent.,PTM:Phosphorylated. Present in active and inactive forms. Changes in phosphorylation pattern may alter activity.,similarity:Belongs to the PTRF/SDPR family.,subcellular location:Found at the surface of the caveolae. Also found in the plasma membrane, microsomal and cytosolic fractions and at a low level in the mitochondrial and nuclear fractions. Translocates to the cytoplasm from the caveolae upon insulin stimulation.,subunit:Interacts with RNA polymerase I and TTF1. Binds the 3' end of pre-rRNA. Interacts with transcription factor ZNF148 (By similarity). Interacts with LIPE in the adipocyte cytoplasm.,

| Validation Data

Western Blot analysis of various, using primary antibody at 1:1000 dilution.
Secondary antibody (catalog#:RS23920) was diluted at 1:10000



Contact information

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