

Fas (Phospho Tyr291) Rabbit pAb

CatalogNo: YP1177

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IF, ELISA

MW

- 38kD (Calculated)

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

IF 1:200-1:1000

ELISA 1:5000

Not yet tested in other applications

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Fas around the phosphorylation site of Tyr291. AA range:257-306

Specificity Phospho-Fas (Y291) Polyclonal Antibody detects endogenous levels of FAS protein only when phosphorylated at Y291. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):EAYDT

Target Information

Gene name FAS

Protein Name Tumor necrosis factor receptor superfamily member 6

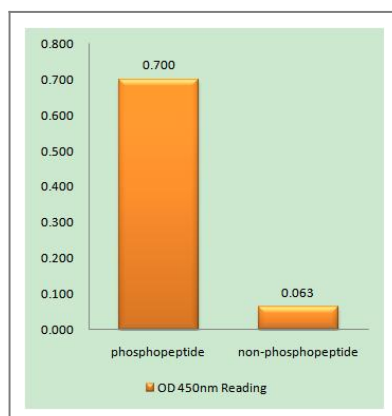
| Organism | Gene ID | UniProt ID |
|----------|-----------------------|--------------------------|
| Human | 355 ; | P25445 ; |
| Mouse | | P25446 ; |

Cellular Localization [Isoform 1]: Cell membrane ; Single-pass type I membrane protein . Membrane raft . ; [Isoform 2]: Secreted.; [Isoform 3]: Secreted.; [Isoform 4]: Secreted.; [Isoform 5]: Secreted.; [Isoform 6]: Secreted.

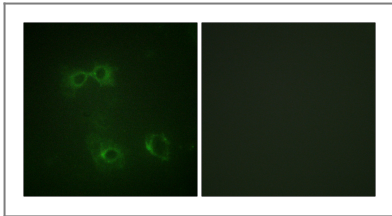
Tissue specificity Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.

Function Disease:Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS) . ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly. ,Domain:Contains a death domain involved in the binding of FADD , and maybe to other cytosolic adapter proteins. ,Function:Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance , in the antigen-stimulated suicide of mature T-cells , or both. The secreted isoforms 2 to 6 block apoptosis (in vitro) . ,online information:Mutations in TNFRSF6 causing ALPS type Ia ,similarity:Contains 1 death domain. ,similarity:Contains 3 TNFR-Cys repeats. ,subunit:Binds DAXX. Interacts with HIPK3. Part of a complex containing HIPK3 and FADD (By similarity) . Binds RIPK1 and FAIM2. Interacts with BRE and FEM1B. ,tissue specificity:Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6. ,

Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using FAS (Phospho-Tyr291) Antibody



Immunofluorescence analysis of COS7 cells, using FAS (Phospho-Tyr291) Antibody. The picture on the right is blocked with the phospho peptide.

| Contact information

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Please scan the QR code to access additional product information:

Fas (Phospho Tyr291) Rabbit pAb

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