

Phospho-Fas-Y291 Rabbit pAb

Catalog No.: AP0007

Basic Information

Observed MW

55kDa

Calculated MW

38kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

355

Swiss Prot

P25445

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

APT1; CD95; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6; Phospho-Fas-Y291

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

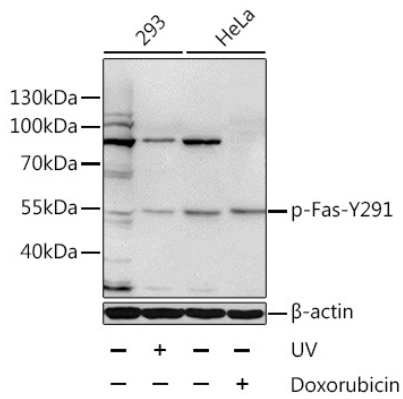
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from 293 and HeLa cells, using Phospho-Fas-Y291 Rabbit pAb (AP0007) at 1:1000 dilution. 293 cells were treated by UV for 15-30 minutes. HeLa cells were treated by Doxorubicin (0.5uM) for 24 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.