

FasL Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10252**Specification**

FasL Antibody - Product Information

Application	WB
Primary Accession	P41047
Reactivity	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31442

FasL Antibody - Additional Information**Gene ID** 14103**Application & Usage**

Western blotting (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Detects ~31 kDa FasL in samples of mouse and rat origins. A ~70 kDa band, possible represents the FasL and Fas complex can also be detected

Other Names

FASLG, FASL , FasL, CD95L , APT1LG1, CD178 , APTL , TNFSF6

Target/Specificity

FasL

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-FasL polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

FasL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FasL Antibody - Protein Information

Name Faslg

Synonyms Apt1lg1, Cd95l, Fasl, gld, Tnfsf6

Function

Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells (PubMed:7511063). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development (PubMed:19794494, PubMed:7532682). Initiates fratricidal/suicidal activation-induced cell death (AICD) in antigen-activated T-cells contributing to the termination of immune responses (PubMed:19794494). TNFRSF6/FAS-mediated apoptosis has also a role in the induction of peripheral tolerance (PubMed:10779162). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (By similarity).

Cellular Location

[Isoform FasL]: Cell membrane; Single-pass type II membrane protein. Cytoplasmic vesicle lumen {ECO:0000250|UniProtKB:P48023}. Lysosome lumen {ECO:0000250|UniProtKB:P48023}. Note=Is internalized into multivesicular bodies of secretory lysosomes after phosphorylation by FGR and monoubiquitination. Colocalizes with the SPPL2A protease at the cell membrane. {ECO:0000250|UniProtKB:P48023} [FasL intracellular domain]: Nucleus {ECO:0000250|UniProtKB:P48023}. Note=The FasL ICD cytoplasmic form is translocated into the nucleus. {ECO:0000250|UniProtKB:P48023}

Tissue Location

Expressed in T-cells (PubMed:19794494). Expressed in natural killer cells (PubMed:7532682).

FasL Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FasL Antibody - Images

FasL Antibody - Background

Fas/Apo-1/CD95 is a cell surface type-I membrane glycoprotein with an apparent molecular weight of 44 kDa on SDS-PAGE. Fas is a member of the TNFR family that includes TNFR1, TNFR2, CD27, CD30, and CD40. Binding of Fas-ligand (FasL) to Fas or crosslinking of Fas by anti-Fas monoclonal antibodies leads to apoptosis in Fas expressing cells. Both Fas and TNF-R contain the 70 amino

acids cytoplasmic “death domain” that is responsible for transmitting signal for apoptosis.