

Anti-FASL Antibody
Catalog # ABO11784**Specification****Anti-FASL Antibody - Product Information**

Application	IHC, WB
Primary Accession	P41047
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Tumor necrosis factor ligand superfamily member 6(FASLG) detection. Tested with WB, IHC-P in Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-FASL Antibody - Additional Information

Gene ID 14103

Other Names

Tumor necrosis factor ligand superfamily member 6, CD95 ligand, CD95-L, Fas antigen ligand, Fas ligand, FasL, CD178, Tumor necrosis factor ligand superfamily member 6, membrane form, Tumor necrosis factor ligand superfamily member 6, soluble form, Receptor-binding FasL ectodomain, Soluble Fas ligand, sFasL, ADAM10-processed FasL form, APL, FasL intracellular domain, FasL ICD, SPPL2A-processed FasL form, SPA, Faslg, Apt1lg1, Cd95l, Fasl, gld, Tnfsf6

Calculated MW

31442 MW KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Rat, Mouse

Subcellular Localization

Isoform FasL: Cell membrane; Single-pass type II membrane protein. Cytoplasmic vesicle lumen . Lysosome lumen . Is internalized into multivesicular bodies of secretory lysosomes after phosphorylation by FGR and monoubiquitination. Colocalizes with the SPPL2A protease at the cell membrane (By similarity). .

Protein Name

Tumor necrosis factor ligand superfamily member 6

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

Immunogen

E.coli-derived mouse Fas Ligand recombinant protein (Position: Q128-L279). Mouse Fas Ligand shares 82% and 93% amino acid (aa) sequences identity with human and rat, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

Anti-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).

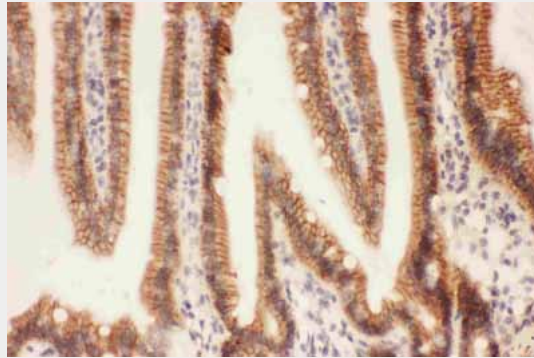
Anti-FASL Antibody - Protocols

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

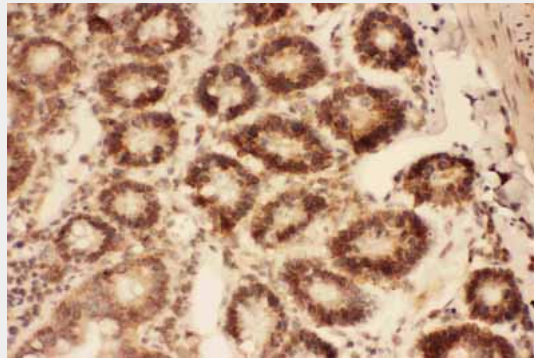
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

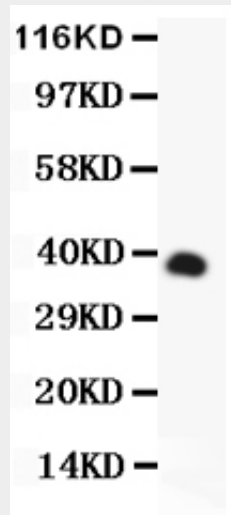
Anti-FASL Antibody - Images



Anti-Fas Ligand Picoband antibody, ABO11784-1.JPGIHC(P): Mouse Intestine Tissue



Anti-Fas Ligand Picoband antibody, ABO11784-2.JPGIHC(P): Rat Intestine Tissue



Anti-Fas Ligand Picoband antibody, ABO11784-3.jpgAll lanes: Anti-Fas Ligand(ABO11784) at 0.5ug/mlWB: Rat Thymus Tissue Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD

Anti-FASL Antibody - Background

Fas ligand (FasL or CD95L) is a type-II transmembrane protein that belongs to the tumor necrosis factor (TNF) family. Fas ligand/receptor interactions play an important role in the regulation of the immune system and the progression of cancer. It is mapped to 1q24.3. FASL may contribute to the immune privilege of tumors. Pharmacologic products that render infiltrating T cells insensitive to FASL-induced killing may break the immunologic unresponsiveness to melanoma and provide a complementary approach in the therapy of malignant melanoma. FASL-mediated apoptosis is important for skin homeostasis, the dysregulation of FAS-FASL interactions may be central to the development of skin cancer. Polymorphisms affecting either the expression or biologic activities of FAS or FASL may contribute to the genetic risk of developing T-cell lymphoblastic lymphomas.