

Rabbit FAS ligand Polyclonal Antibody | anti-FASLG antibody

FAS ligand Antibody

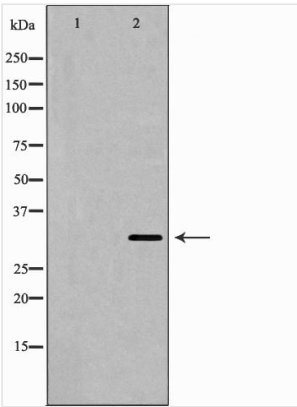
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321985	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

FAS ligand; Polyclonal Antibody; FAS ligand Antibody; ALPS1B; Apoptosis (APO 1) antigen ligand 1; Apoptosis antigen ligand 1; Apoptosis antigen ligand; APT1LG1; APTL; CD178; CD178 antigen; CD95 ligand; CD95-L; CD95L; CD95L protein; Fas antigen ligand; Fas L; Fas ligand (TNF superfamily member 6); Fas ligand; FASL; Fasl Fas ligand (TNF superfamily member 6); FASLG; Generalized lymphoproliferative disease; Gld; soluble form; TNFL6_HUMAN; TNFSF6; Tumor necrosis factor (ligand) superfamily member 6; Tumor necrosis factor ligand superfamily member 6; anti-FASLG antibody

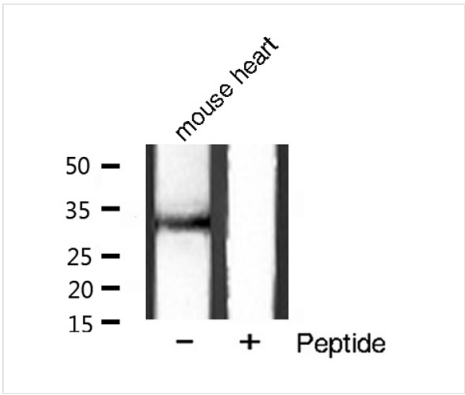
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FAS ligand antibody detects endogenous levels of total FAS ligand
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	281
Applicable Applications for anti-FASLG antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FAS ligand
Subcellular Location	Cell Membrane. Secreted. May be released into the extracellular fluid, probably by cleavage form the cell surface.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Dog
Similarity	Pig (100%), Bovine (86%), Horse (88%), Sheep (86%), Dog (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



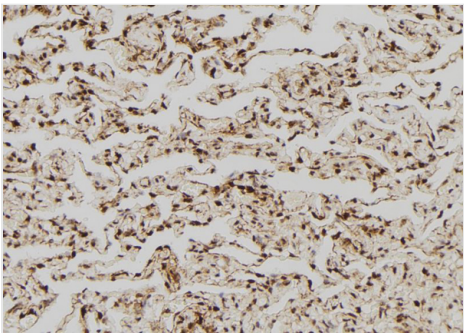
WB (Western Blot)

Western blot analysis of FAS ligand expression in 293 cell extract. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of FAS ligand Antibody expression in mouse heart tissue lysates. The lane on the right is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321985 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FASLG antibody	Function: Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells (PubMed:26334989, PubMed:9228058). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and in T-cell development (PubMed:9228058, PubMed:7528780, PubMed:9427603). Initiates fratricidal/suicidal activation-induced cell death (AICD) in antigen-activated T-cells contributing to the termination of immune responses (By similarity). TNFRSF6/FAS-mediated apoptosis has also a role in the induction of peripheral tolerance (By similarity). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (PubMed:27806260). Subunit Structure: Homotrimer (PubMed:27806260). Interacts with ARHGAP9, BAIAP2L1, BTK, CACNB3, CACNB4, CRK, DLG2, DNMBP, DOCK4, EPS8L3, FGR, FYB1, FYN, HCK, ITK, ITSN2, KALRN, LYN, MACC1, MIA, MPP4, MYO15A, NCF1, NCK1, NCK2, NCKIPSD, OSTF1, PIK3R1, PSTPIP1, RIMBP3C, SAMSN1, SH3GL3, SH3PXD2B, SH3PXD2A, SH3RF2, SKAP2, SNX33, SNX9, SORBS3, SPTA1, SRC, SRGAP1, SRGAP2, SRGAP3, TEC, TJP3 and YES1. Post-translational Modifications: The soluble form derives from the membrane form by proteolytic processing. The membrane-bound form undergoes two successive intramembrane proteolytic cleavages. The first one is processed by ADAM10 producing an N-terminal fragment, which lacks the receptor-binding extracellular domain. This ADAM10-processed FasL (FasL APL) remnant form is still membrane anchored and further processed by SPPL2A that liberates the FasL intracellular domain (FasL ICD). FasL shedding by ADAM10 is a prerequisite for subsequent intramembrane cleavage by SPPL2A in T-cells. N-glycosylated (PubMed:9228058). Glycosylation enhances apoptotic activity (PubMed:27806260). Phosphorylated by FGR on tyrosine residues; this is required for ubiquitination and subsequent internalization. Monoubiquitinated. Similarity: Belongs to the tumor necrosis factor family.
References	Qian P, Zhang YW, Zhou ZH, Liu JQ, Yue SY, Guo XL, Sun LQ, Lv XT, Chen JQ; Journal: Immunopharmacol Immunotoxicol. Artesunate enhances T-cell-mediated antitumor activity through augmenting T-cell function and reversing immune escape of HepG2 cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557329
NCBI GeneID	356
NCBI Accession #	NP_000630.1
NCBI GenBank Nucleotide #	NM_000639.2
UniProt Accession #	P48023; Q9BZP9
Molecular Weight	Observed: 31 kDa Predicted: 32 kDa
NCBI Official Full Name	tumor necrosis factor ligand superfamily member 6 isoform 1
NCBI Official Synonym Full Names	Fas ligand
NCBI Official Symbol	FASLG
NCBI Official Synonym Symbols	APTL; FASL; CD178; CD95L; ALPS1B; CD95-L; TNFSF6; TNLG1A; APT1LG1
NCBI Protein Information	tumor necrosis factor ligand superfamily member 6
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 6
UniProt Gene Name	FASLG
UniProt Synonym Gene Names	APT1LG1; CD95L; FASL; TNFSF6; APTL; CD95-L; Fas ligand; FasL; sFasL; APL; FasL ICD; SPA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fas-ligand-antibody-immunohistochemistry-western-blot-elisa/321985>