

# FASLG antibody - middle region

Rabbit Polyclonal Antibody Catalog # AI16177

## **Product Information**

Application WB Primary Accession P48023

Other AccessionNM\_000639, NP\_000630ReactivityHuman, Horse, BovinePredictedHuman, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 31485

# **Additional Information**

Gene ID 356

Alias Symbol FASL, CD178, CD95L, CD95-L, TNFSF6, APT1LG1

Other Names Tumor necrosis factor ligand superfamily member 6, Apoptosis antigen

ligand, APTL, 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, TNFSF6

Format Lyophilized

**Reconstitution & Storage** Add 100 ul of distilled water. Final anti-FASLG antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

**Precautions** FASLG antibody - middle region is for research use only and not for use in

diagnostic or therapeutic procedures.

### **Protein Information**

Name FASLG

**Synonyms** APT1LG1, CD95L, FASL, TNFSF6

**Function** Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the

apoptotic signal into cells (PubMed: <u>26334989</u>, PubMed: <u>9228058</u>). Involved in cytotoxic T-cell-mediated apoptosis, natural killer cell-mediated apoptosis and

in T-cell development (PubMed:7528780, PubMed:9228058,

PubMed:<u>9427603</u>). 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 also has a role in the induction of peripheral tolerance (By similarity). Binds to TNFRSF6B/DcR3, a decoy receptor that blocks apoptosis (PubMed:<u>27806260</u>).

#### **Cellular Location**

Cell membrane; Single-pass type II membrane protein. Cytoplasmic vesicle lumen Lysosome lumen. Note=Is internalized into multivesicular bodies of secretory lysosomes after phosphorylation by FGR and monoubiquitination (PubMed:17164290). Colocalizes with the SPPL2A protease at the cell membrane (PubMed:17557115) [FasL intracellular domain]: Nucleus. Note=The FasL ICD cytoplasmic form is translocated into the nucleus.

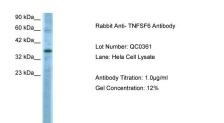
# **Background**

Cytokine that binds to TNFRSF6/FAS, a receptor that transduces the apoptotic signal into cells. May be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both. Binding to the decoy receptor TNFRSF6B/DcR3 modulates its effects.

# References

Alderson M.,et al.J. Exp. Med. 181:71-77(1995).
Takahashi T.,et al.Int. Immunol. 6:1567-1574(1994).
Schaetzlein C.E.,et al.Submitted (JUN-1995) to the EMBL/GenBank/DDBJ databases.
Mita E.,et al.Biochem. Biophys. Res. Commun. 204:468-474(1994).
Zeytun A.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases.

# **Images**



Host: Rabbit Target Name: TNFSF6 Sample Tissue: Hela Cell

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.