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Anti-FAS Antibody
Catalog # ABO11943

Specification

Anti-FAS Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P25445
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 6(FAS) detection. Tested with WB, IHC-P in Human.

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

Anti-FAS Antibody - Additional Information

Gene ID 355

Other Names
Tumor necrosis factor receptor superfamily member 6, Apo-1 antigen, Apoptosis-mediating surface antigen FAS, FASLG receptor, CD95, FAS, APT1, FAS1, TNFRSF6

Calculated MW
37732 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Isoform 1: Cell membrane; Single-pass type I membrane protein.

Tissue Specificity
Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6. .

Protein Name
Tumor necrosis factor receptor superfamily member 6

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

Immunogen
E.coli-derived human Fas recombinant protein (Position: Q26-N173). Human Fas shares 55% and 59% amino acid (aa) sequences identity with mouse and rat Fas, 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.

Sequence Similarities
Contains 1 death domain.

Anti-FAS Antibody - Protein Information

Name FAS

Synonyms APT1, FAS1, TNFRSF6

Function
Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase CASP8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs CASP8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen- stimulated suicide of mature T-cells, or both. The secreted isoforms 2 to 6 block apoptosis (in vitro).

Cellular Location
[Isoform 1]: Cell membrane; Single-pass type I membrane protein. Membrane raft [Isoform 3]: Secreted. [Isoform 5]: Secreted.

Tissue Location
Isoform 1 and isoform 6 are expressed at equal levels in resting peripheral blood mononuclear cells. After activation there is an increase in isoform 1 and decrease in the levels of isoform 6.

Anti-FAS 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 Cytomety
- Cell Culture

Anti-FAS Antibody - Images

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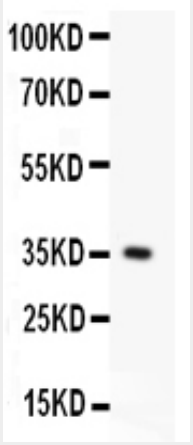
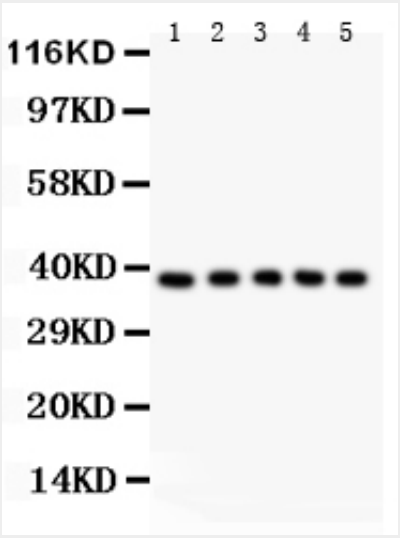
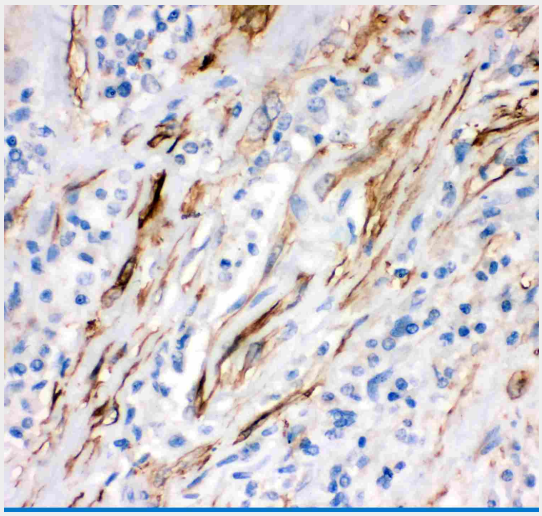


Anti- FAS Picoband antibody, ABO11943, Western blottingAll lanes: Anti FAS (ABO11943) at 0.5ug/mlWB: Recombinant Human FAS Protein 0.5ngPredicted bind size: 35KDObserved bind size: 35KD



Anti- FAS Picoband antibody, ABO11943, Western blottingAll lanes: Anti FAS (ABO11943) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: K562 Whole Cell Lysate at 40ugPredicted bind size: 37KDObserved bind size: 37KD



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Anti- FAS Picoband antibody, ABO11943, IHC(P)IHC(P): Human Lung Cancer Tissue

Anti-FAS Antibody - Background

FAS(also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury in vivo. FAS antigen is expressed and functional on papillary thyroid cancer cells and this may have potential therapeutic significance. The FAS antigen shows structural homology with a number of cell surface receptors, including tumor necrosis factor(TNF) receptors and the low-affinity nerve growth factor receptor(NGFR) and it is mapped to 10q24.1. The FAS and FASL system plays a key role in regulating apoptotic cell death and corruption of this signalling pathway has been shown to participate in immune escape and tumorigenesis.