

Fas/Apo1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10051**Specification**

Fas/Apo1 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P25446 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 37437 |

Fas/Apo1 Antibody - Additional Information**Gene ID** 14102

| | |
|---------------------|---|
| Application & Usage | Western blotting (0.5-4 µg/ml) and Immunohistochemistry (5 µg/ml). However, the optimal conditions should be determined individually. The purified antibody detects a 55 kDa of glycosylated Fas, a 35 kDa native form of Fas and a 29 kDa of cleaved Fas fragment on SDS-PAGE immunoblots. |
|---------------------|---|

Other Names

ALPS1A , APO-1, APT1, CD95 , FAS1, FAIM2, FASTM, LFG, NMP35

Target/Specificity

Fas/Apo-1

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified 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

Fas/Apo1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Fas/Apo1 Antibody - Protein Information**Name** Fas

Synonyms Apt1, 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 (By similarity).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P51867}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P51867} Membrane raft {ECO:0000250|UniProtKB:P25445}

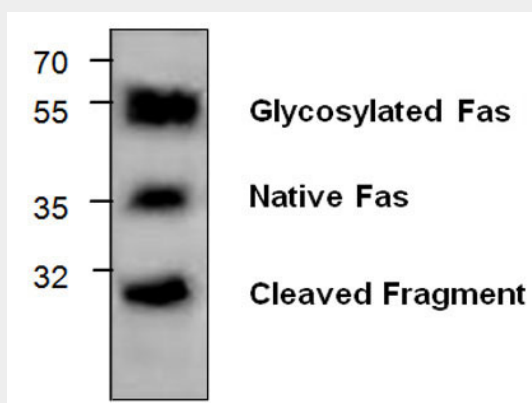
Tissue Location

Detected in various tissues including thymus, liver, lung, heart, and adult ovary.

Fas/Apo1 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](#)

Fas/Apo1 Antibody - Images

Western blot analysis of Fas expression with rat kidney tissue lysate.

Fas/Apo1 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.