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Anti-FAS Antibody

Catalog # ABO10576

Product Information

Application	WB, IHC-P, IHC-F
Primary Accession	Q63199
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 6(FAS) detection. Tested with WB, IHC-P, IHC-F in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	246097
Other Names	Tumor necrosis factor receptor superfamily member 6, Apo-1 antigen, Apoptosis-mediating surface antigen FAS, FASLG receptor, CD95, Fas, Apt1, Tnfrsf6
Calculated MW	36835
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Mouse, Rat , By Heat Immunohistochemistry(Frozen Section), 0.5-1 □g/ml, Mouse, Rat , - Western blot, 0.1-0.5 □g/ml, Mouse, Rat
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Tumor necrosis factor receptor superfamily member 6
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of rat Fas (87-109aa, YTDRKHYSDKCRRCAFCDEGHGL).
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.

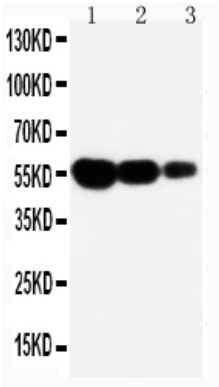
Protein Information

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}

Background

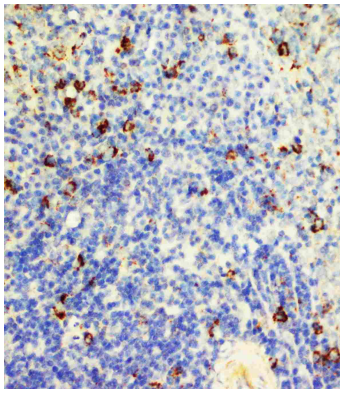
FAS(also known as surface antigen APO1 or CD95) is a member of the tumour-necrosis receptor factor family of death receptors, can induce apoptosis or, conversely, can deliver growth stimulatory signals. It acts as an inducer of both neurite growth in vitro and accelerated recovery after nerve injury 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 is mapped to 10q24.1. And 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.

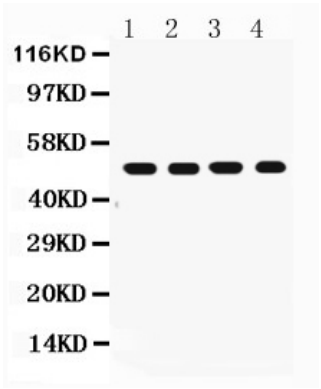
Images



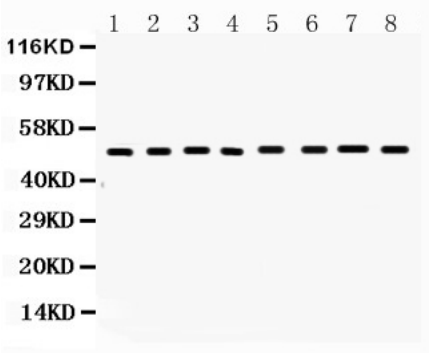
Anti-Fas antibody, ABO10576, Western blottingLane 1: Recombinant Mouse FAS Protein 10ngLane 2: Recombinant Mouse FAS Protein 5ngLane 3: Recombinant Mouse FAS Protein 2.5ng

Anti-Fas antibody, ABO10576, IHC(P)IHC(P): Rat Spleen Tissue Lysate





Western blot analysis of FAS expression in rat liver extract (lane 1), rat spleen extract (lane 2), rat brain extract (lane 3) and rat cardiac muscle extract (lane 4). FAS at 50KD was detected using rabbit anti- FAS Antigen Affinity purified polyclonal antibody (Catalog # ABO10576) at 0.5 □¼g/mL. The blot was developed using chemiluminescence (ECL) method .



Western blot analysis of FAS expression in mouse liver extract (lane 1), mouse spleen extract (lane 2), mouse brain extract (lane 3) mouse kidney extract (lane 4), mouse thymus extract (lane 5), mouse lung extract (lane 6), HEPA1-6 whole cell lysates (lane 7) and NIH3T3 whole cell lysates (lane 8). FAS at 50KD was detected using rabbit anti- FAS Antigen Affinity purified polyclonal antibody (Catalog # ABO10576) at 0.5 □¼g/mL. The blot was developed using chemiluminescence (ECL) method .

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