

ARG56208 anti-CD95 / Fas antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD95 / Fas
Tested Reactivity	Ms, Rat
Tested Application	IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD95 / Fas
Species	Rat
Immunogen	Synthetic peptide around the N-terminus of Rat CD95. (YTDRKHYSKCRRC AFCDEGHGL)
Conjugation	Un-conjugated
Alternate Names	CD95; Apoptosis-mediating surface antigen FAS; FAS1; Tumor necrosis factor receptor superfamily member 6; ALPS1A; APT1; FASTM; CD antigen CD95; APO-1; TNFRSF6; FASLG receptor; Apo-1 antigen

Application Instructions

Application table	Application	Dilution
	IHC-Fr	0.5 - 1.0 µg/ml
	IHC-P	0.5 - 1 µg/ml
	WB	0.5 - 1.0 µg/ml
Application Note	IHC-P: Antigen Retrieval: Boil the paraffin sections in 10mM citrate buffer, pH6, for 20 mins. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

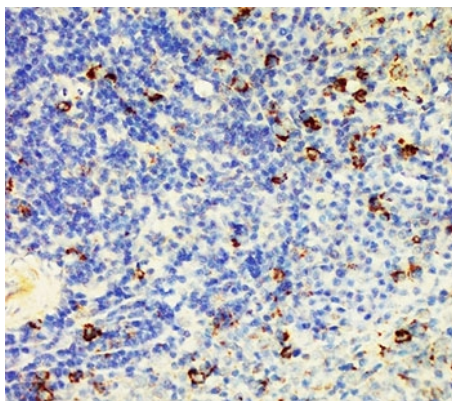
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2.5% BSA.
Preservative	0.025% Sodium azide
Stabilizer	2.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

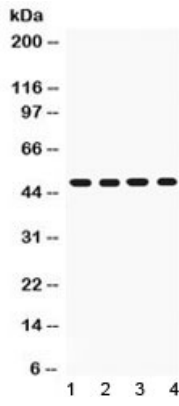
Database links	GeneID: 14102 Mouse GeneID: 246097 Rat Swiss-port # P25446 Mouse Swiss-port # Q63199 Rat
Gene Symbol	Fas
Gene Full Name	Fas cell surface death receptor
Background	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq, Mar 2011]
Function	Receptor for TNFSF6/FASLG. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 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). [UniProt]
Calculated Mw	35 - 38 kDa (unmodified); 40 - 55 kDa (glycosylated)
PTM	N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.
Cellular Localization	Membrane; Single-pass type I membrane protein

Images



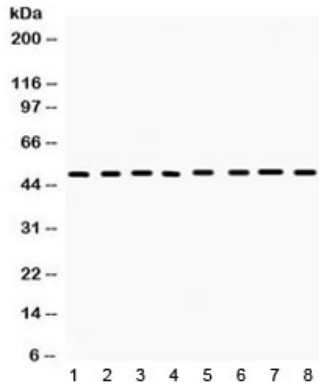
ARG56208 anti-CD95 / Fas antibody IHC-P image

Immunohistochemistry: Rat spleen tissue stained with ARG56208 anti-CD95 / Fas antibody.
Antigen retrieval: Boil the paraffin sections in 10mM citrate buffer, pH6, for 20 mins.



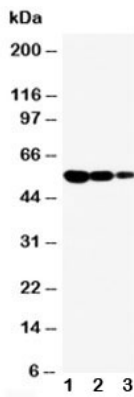
ARG56208 anti-CD95 / Fas antibody WB image

Western blot: Testing of Rat 1) liver, 2) spleen, 3) brain and 4) heart lysates stained with ARG56208 anti-CD95 / Fas antibody at 1 μ g/ml dilution.



ARG56208 anti-CD95 / Fas antibody WB image

Western blot: Testing of Mouse 1) liver, 2) spleen, 3) brain, 4) kidney, 5) thymus, 6) lung, 7) Hepa 1-6, and 8) NIH 3T3 cell lysates stained with ARG56208 anti-CD95 / Fas antibody.



ARG56208 anti-CD95 / Fas antibody WB image

Western blot: 1) 10 ng, 2) 5 ng, and 3) 2.5 ng of recombinant Mouse protein stained with ARG56208 anti-CD95 / Fas antibody.