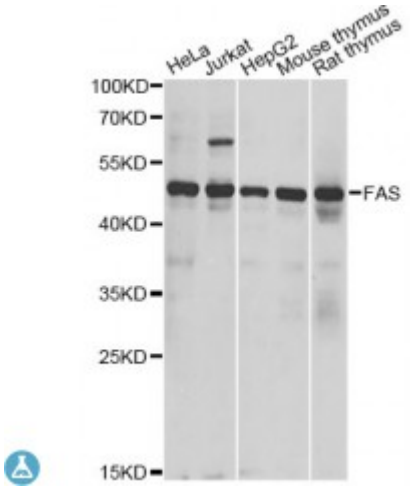
Anti-FAS Antibody



Description	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.

Model	STJ116183
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 61-335 of human FAS (NP_000034.1).
Gene ID	355
Gene Symbol	FAS

Dilution range	WB 1:500 - 1:1000
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
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Tumor necrosis factor receptor superfamily member 6 Apo-1 antigen Apoptosis-mediating surface antigen FAS FASLG receptor CD antigen CD95
Molecular Weight	37.732 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11920OMIM:134637Reactome:R-HSA-140534
Alternative Names	Tumor necrosis factor receptor superfamily member 6 Apo-1 antigen Apoptosis-mediating surface antigen FAS FASLG receptor CD antigen CD95
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),
Cellular Localization	Cell membrane
Post-translational Modifications	N- and O-glycosylated, O-glycosylated with core 1 or possibly core 8 glycans,