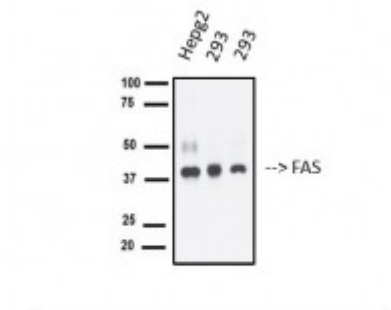
Anti-FAS antibody



Western Blot (WB) analysis of Hepg2 and 293 from two batches FAS Polyclonal Antibody. (STJ93041)

Description	FAS is a protein encoded by the FAS gene which is approximately 37,7 kDa. FAS isoform 1 is localised to the cell membrane with other isoforms being secreted. It is involved in dimerization of procaspase-8, allograft rejection, apoptosis modulation and signalling, PEDF induced signalling and the TNFR1 pathway. This protein falls under the TNF-receptor superfamily. This receptor contains a death domain and plays a central role in the physiological regulation of programmed cell death, it has also been implicated in the pathogenesis of various malignancies and diseases of the immune system. FAS isoform 1 and 6 is expressed in resting peripheral blood mononuclear cells. Mutations in the FAS gene may result in autoimmune lymphoproliferative syndrome. STJ93041 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of FAS protein.
Model	STJ93041
Host	Rabbit
Reactivity	Human
Applications	ELISA, IF, WB
Immunogen	Synthesized peptide derived from human FAS around the non-phosphorylation site of Y291.
Immunogen Region	230-310 aa
Gene ID	355
Gene Symbol	FAS
Dilution range	WB 1:500-1:2000IF 1:200-1:1000ELISA 1:10000

Specificity	FAS Polyclonal Antibody detects endogenous levels of FAS 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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
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	42 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11920OMIM:134637
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).
Sequence and Domain Family	Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins.
Cellular Localization	Isoform 1: Cell membrane. Single-pass type I membrane protein.. Isoform 2: Secreted.. Isoform 3: Secreted.. Isoform 4: Secreted.. Isoform 5: Secreted.. Isoform 6: Secreted.
Post-translational Modifications	N- and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans.