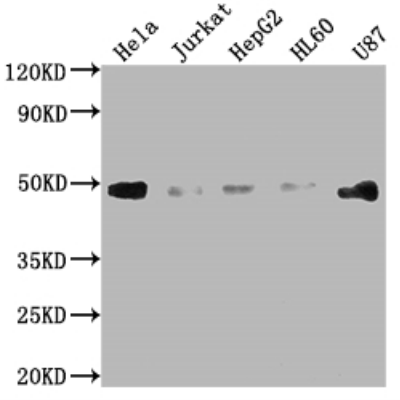
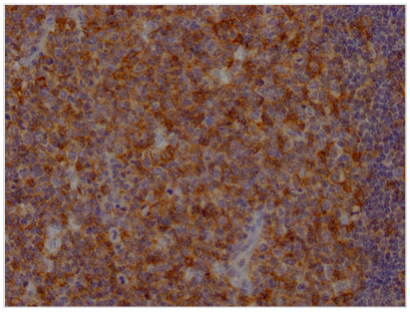
FAS Recombinant Monoclonal Antibody

Product Code	CSB-RA252392A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P25445
Immunogen	A synthesized peptide derived from human Fas
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC; Recommended dilution: WB:1:500-1:5000, IHC:1:50-1:200
Relevance	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).
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cell biology; Immunology
Gene Names	FAS
Clone No.	2B6

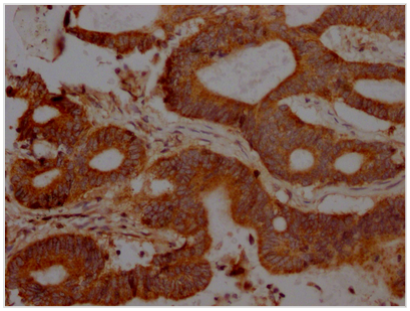
Image



Western Blot
Positive WB detected in: Hela whole cell lysate, Jurkat whole cell lysate, HepG2 whole cell lysate, HL60 whole cell lysate, U87 whole cell lysate
All lanes: FAS antibody at 1:2000
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 38, 12, 10, 17, 15, 36, 25 kDa
Observed band size: 45 kDa



IHC image of CSB-RA252392A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



IHC image of CSB-RA252392A0HU diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4? overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

FAS, also called CD95, binds to its cognate ligand CD95L, triggering signal transduction involving FADD-mediated recruitment and activation of caspase-8 that results in apoptosis. CD95-CD95L-mediated apoptosis plays a prominent role in immune homeostasis. The CD95-CD95L pathway is essential not only for T cell death, but also for the deletion of autoreactive B cells, B cell somatic hypermutation, cytotoxicity of NK and CD8 T cells, endothelial cell apoptosis, myeloid suppressor cell turnover regulation, and activation of macrophages' functions against infections.

The recombinant FAS antibody was produced by cloning antibody genes into an expression vectors, which were subsequently introduced into mammalian cells to provide animal-free antibody production. This FAS antibody has been validated in ELISA, WB, IHC. It has the features of improved affinity, stability, and consistency between different batches.