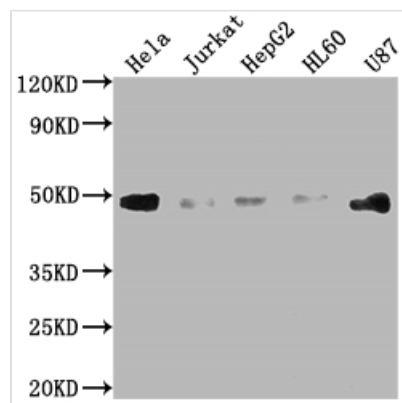




# FAS Antibody

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

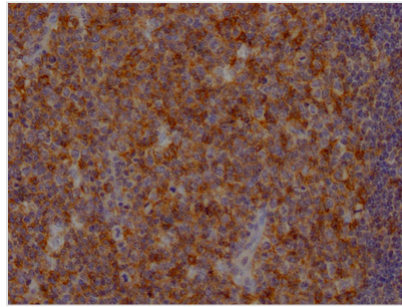
All lanes: FAS antibody at 1:2000

Secondary

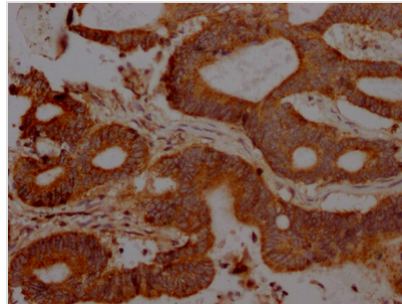
Goat polyclonal to rabbit IgG at 1/50000 dilution

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 Bond™ 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°C 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 Bond™ 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°C 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.