

Product datasheet for **TA323754S**

CD95 (FAS) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Human fetal brain tissue IHC: 25-100 Positive control: Human colon cancer Predicted cell location: Secreted, Cell membrane
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 156-335 amino acids of human Fas (TNF receptor superfamily, member 6)
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	38 kDa
Gene Name:	Fas cell surface death receptor
Database Link:	NP_000034 Entrez Gene 355 Human P25445



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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.

Synonyms:

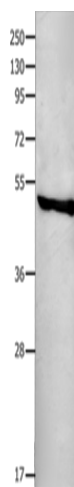
ALPS1A; APO-1; APT1; CD95; FAS1; FASTM; TNFRSF6

Protein Families:

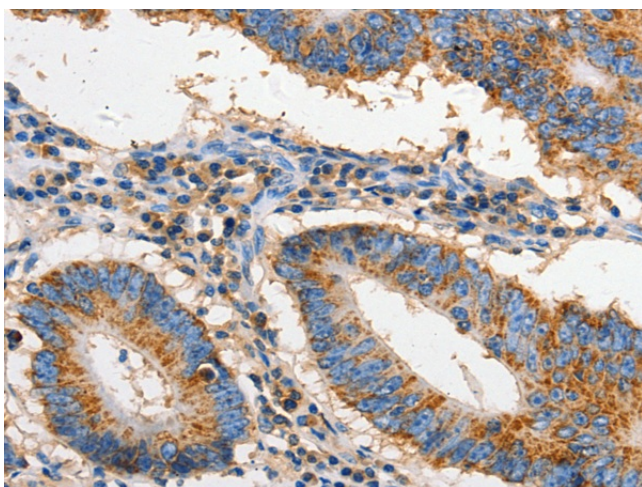
Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways:

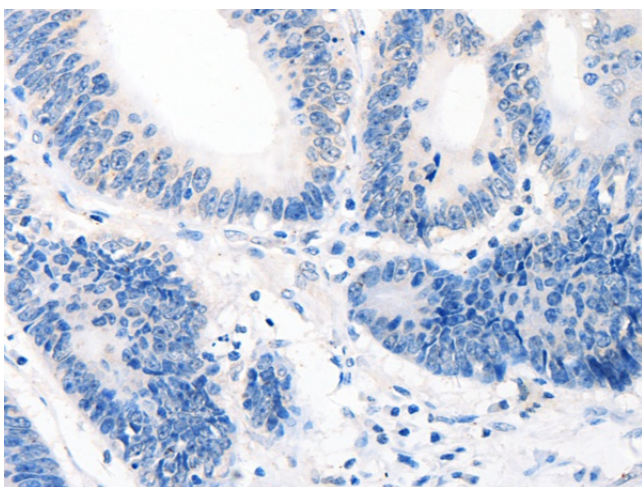
Allograft rejection, Alzheimer's disease, Apoptosis, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Graft-versus-host disease, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Type I diabetes mellitus

Product images:


Gel: 10+12%SDS-PAGE
Lysate: 40 µg
Lane: Human fetal brain tissue
Primary antibody: [TA323754] (FAS Antibody) at dilution 1/550
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 1 minute



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA323754] (FAS Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA323754] (FAS Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)