

Fas (PT0128R) PT® Rabbit mAb

Catalog No :	YM8071
Reactivity :	Human;
Applications :	WB;IHC;IF;IP;ELISA
Target :	CD95
Fields :	>>Platinum drug resistance;>>MAPK signaling pathway;>>Cytokine-cytokine receptor interaction;>>p53 signaling pathway;>>Apoptosis;>>Necroptosis;>>Natural killer cell mediated cytotoxicity;>>TNF signaling pathway;>>Non-alcoholic fatty liver disease;>>Alcoholic liver disease;>>Type I diabetes mellitus;>>Alzheimer disease;>>Pathways of neurodegeneration - multiple diseases;>>Pathogenic Escherichia coli infection;>>Chagas disease;>>African trypanosomiasis;>>Hepatitis C;>>Hepatitis B;>>Measles;>>Human cytomegalovirus infection;>>Influenza A;>>Human papillomavirus infection;>>Kaposi sarcoma-associated herpesvirus infection;>>Herpes simplex virus 1 infection;>>Epstein-Barr virus infection;>>Human immunodeficiency virus 1 infection;>>Pathways in cancer;>>Proteoglycans in cancer;>>Autoimmune thyroid disease;>>Allograft rejection;>>Graft-versus-host disease;>>Lipid and atherosclerosis
Gene Name :	FAS
Protein Name :	Tumor necrosis factor receptor superfamily member 6
Human Gene Id :	355
Human Swiss Prot No :	P25445
Mouse Swiss Prot No :	P25446
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa

Dilution : IHC 1:200-1:1000, WB 1:1000-1:5000, IF 1:200-1:1000, ELISA 1:5000-1:20000, IP 1:50-1:200,

Purification : Protein A

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Molecularweight : 38kD

Observed Band : 40kD

Cell Pathway : MAPK_ERK_Growth; MAPK_G_Protein; Cytokine-cytokine receptor interaction; p53; Apoptosis_Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; Natural killer cell mediated cytotoxicity; Type I diabetes mell

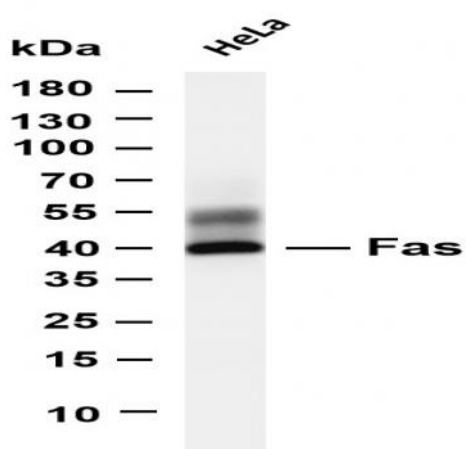
Background : The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and 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, s

Function : disease: Defects in FAS are the cause of autoimmune lymphoproliferative syndrome type 1A (ALPS1A) [MIM:601859]; also known as Canale-Smith syndrome (CSS). ALPS is a childhood syndrome involving hemolytic anemia and thrombocytopenia with massive lymphadenopathy and splenomegaly. domain: Contains a death domain involved in the binding of FADD, and maybe to other cytosolic adapter proteins. 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 vit

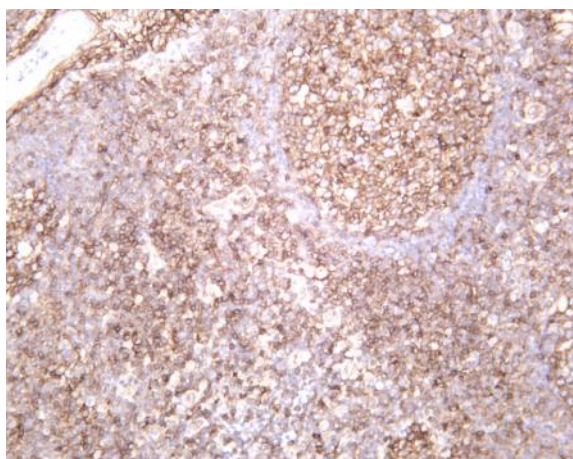
Subcellular Location : Membranous

Expression : 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.

Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Fas (PT0128R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HeLa
Predicted band size: 38kDa Observed band size: 40kDa



Human tonsil was stained with anti-Fas (PT0128R) rabbit antibody