Caspase-10 Rabbit pAb

CatalogNo: YT5094

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human	• WB,ELISA

MW	Isotype
• 58kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
ELISA 1:40000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from the Internal region of human Caspase-10.. AA range:54-124
Specificity	Caspase-10 Polyclonal Antibody detects endogenous levels of Caspase-10 protein.

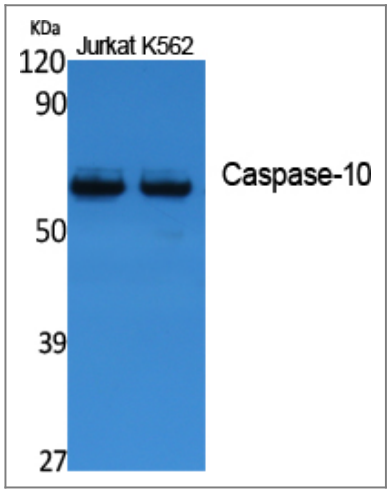
Target Information

Gene name	CASP10
Protein Name	Caspase10

Organism	Gene ID	UniProt ID
Human	843;	Q92851;

Cellular Localization	cytosol,CD95 death-inducing signaling complex,ripoptosome,
Tissue specificity	Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon.
Function	Catalytic activity:Strict requirement for Asp at position P1 and has a preferred cleavage sequence of Leu-Gln-Thr-Asp-|-Gly.,Disease:Defects in CASP10 are a cause of familial non-Hodgkin lymphoma (NHL) [MIM:605027]. NHL is a cancer that starts in cells of the lymph system, which is part of the body's immune system. NHLs can occur at any age and are often marked by enlarged lymph nodes, fever and weight loss.,Disease:Defects in CASP10 are a cause of gastric cancers [MIM:137215].,Disease:Defects in CASP10 are the cause of autoimmune lymphoproliferative syndrome type 2A (ALPS2A) [MIM:603909]. ALPS2 is characterized by abnormal lymphocyte and dendritic cell homeostasis and immune regulatory defects.,Function:Involved in the activation cascade of caspases responsible for apoptosis execution. Recruited to both Fas- and TNFR-1 receptors in a FADD dependent manner. May participate in the granzyme B apoptotic pathways. Cleaves and activates caspase-3, -4, -6, -7, -8, and -9. Hydrolyzes the small- molecule substrates, Tyr-Val-Ala-Asp-|-AMC and Asp-Glu-Val-Asp-|-AMC.,Function:Isoform C is proteolytically inactive.,online information:CASP10 mutation db,online information:Caspase-10 mutations causing ALPS type II,PTM:Cleavage by granzyme B and autocatalytic activity generate the two active subunits.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the peptidase C14A family.,similarity:Contains 2 DED (death effector) domains.,subunit:Heterotetramer that consists of two anti-parallel arranged heterodimers, each one formed by a 23/17 kDa (p23/17) (depending on the splicing events) and a 12 kDa (p12) subunit (By similarity). Self-associates. Interacts with FADD and CASP8. Found in a Fas signaling complex consisting of FAS, FADD, CASP8 and CASP10.,tissue specificity:Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon.,

Validation Data



Western Blot analysis of extracts from Jurkat, K562 cells, using Caspase-10 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

Contact information

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Please scan the QR code to access additional product information:
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