Anti-Caspase 10 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011789

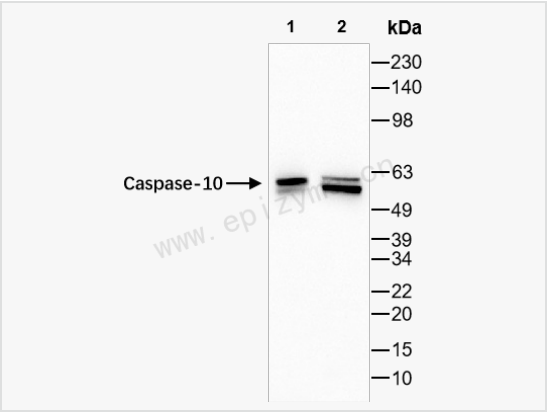
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	91K66K84
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Caspase-10
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Caspase 10 Rabbit mAb [91K66K84] is for research use only and not for use in diagnostic or therapeutic procedures.

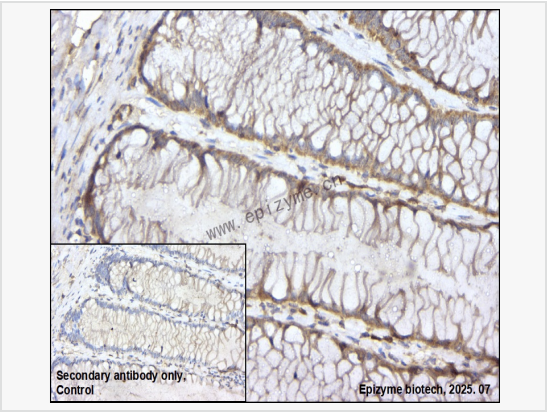
Protein Information

Synonyms	ALPS2; Apoptotic protease Mch-4; CASP 10; CASP-10; CASP10; CASPA_HUMAN; Caspase 10 apoptosis related cysteine peptidase; Caspase-10; Caspase-10 subunit p12; FADD like ICE2; Fas associated death domain protein; FAS-associated death domain protein interleukin-1B-converting enzyme 2; FLICE 2; FLICE2; ICE like apoptotic protease 4; ICE-like apoptotic protease 4; Interleukin 1B converting enzyme 2; MCH 4.
Calculated MW	Calculated MW: 59 kDa; Observed MW: 59 kDa
Uniprot ID	Q92851
Gene ID	843
Background	This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011]
Tissue Location	Detectable in most tissues. Lowest expression is seen in brain, kidney, prostate, testis and colon.

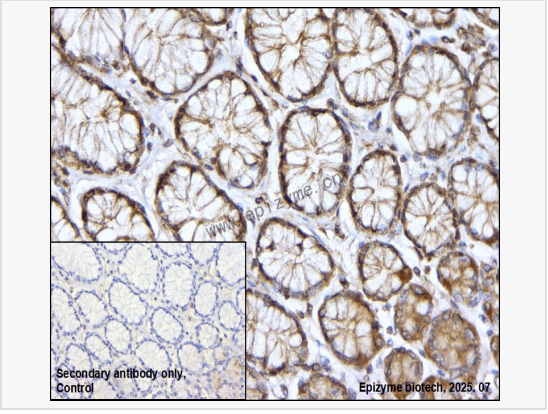
Validation Images



Western Blot - Anti-Caspase 10 Rabbit mAb [91K66K84]
All lanes: R011789 at 1:2,000 dilution
Lane 1: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 2: K562 (Human chronic myeloid leukemia cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 59 kDa
Observed band size: 59 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Caspase 10 Rabbit mAb [91K66K84]
Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011789 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Caspase 10 Rabbit mAb [91K66K84]
Sample: Paraformaldehyde-fixed, paraffin embedded human gastric cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011789 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.