

Datasheet for ABIN3030289

anti-Caspase 10 antibody (AA 220-236)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Caspase 10 (CASP10)
Binding Specificity:	AA 220-236
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caspase 10 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 220-236 (VKTFLEALPRAAVYRMN-human) were used as the immunogen for this Caspase-10 antibody. This sequence is from the large subunit
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Caspase 10 (CASP10)
Alternative Name:	Caspase-10 (CASP10 Products)
Background:	Caspase-10 is an enzyme that in humans is encoded by the CASP10 gene. The CASP10 gene contains 11 exons and spans about 48 kb. This gene is mapped to 2q33.1. It is transcribed in the centromere-to-telomere direction. This gene encodes a protein that is a member of the

Target Details

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 that 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 CASP3 and 7, and the protein itself is processed by CASP8. Mutations in this gene are associated with apoptosis defects seen in type II autoimmune lymphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this protein.

UniProt: [Q92851](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: The stated application concentrations are suggested starting points. Titration of the Caspase-10 antibody may be required due to differences in protocols and secondary/substrate sensitivity. Western blot: 0.5-1 µg/mL, IHC (Paraffin): 0.5-1 µg/mL

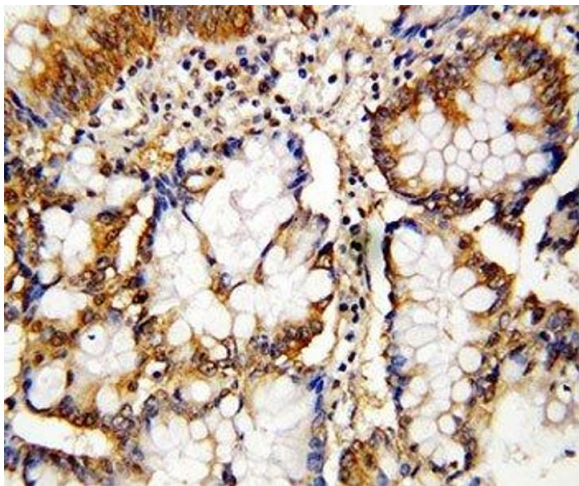
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

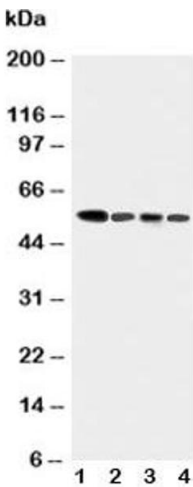
Storage: -20 °C

Storage Comment: After reconstitution, the Caspase-10 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



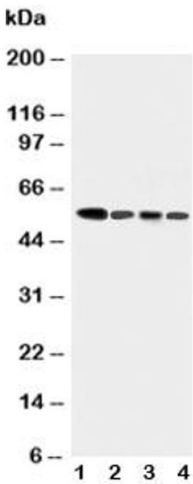
Immunohistochemistry

Image 1. IHC-P: Caspase-10 antibody testing of human intestinal cancer tissue



Western Blotting

Image 2. Western blot testing of Caspase-10 antibody and Lane 1: COLO320; 2: HeLa; 3: SW620; 4: Raji cell lysate



Western Blotting

Image 3. Western blot testing of Caspase-10 antibody and Lane 1: COLO320