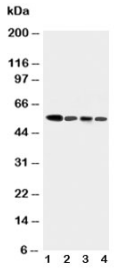
# Caspase-10 Antibody (R30586)

| Catalog No. | Formulation | Size |
|---|---|---|
| R30586 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | Q92851 |
| **Applications** | Western Blot : 0.5-1ug/ml |
| **Limitations** | This Caspase-10 antibody is available for research use only. |




Western blot testing of Caspase-10 antibody and human tumor cell lysates 1: COLO320; 2: HeLa; 3: SW620; 4: Raji.

## Description

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 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.

## 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.

## Immunogen

Amino acids 220-236 (VKTFLEALPRAAVYRMN-human) were used as the immunogen for this Caspase-10 antibody. This sequence is from the large subunit

## Storage

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


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