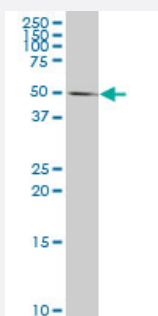


CASP10 monoclonal antibody (M02), clone 2E7

Catalog # H00000843-M02

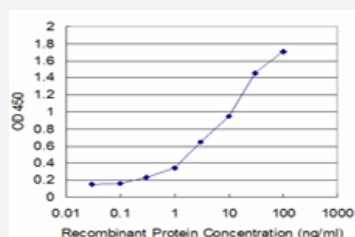
Size 100 ug

Applications



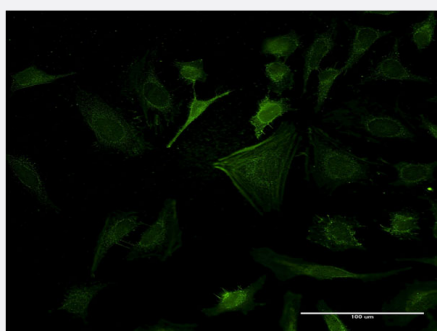
Western Blot (Cell lysate)

CASP10 monoclonal antibody (M02), clone 2E7. Western Blot analysis of CASP10 expression in U-2 OS (Cat # L022V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASP10 is approximately 0.03ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CASP10 on HeLa cell .
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CASP10.
Immunogen	CASP10 (NP_116756, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKSQQQHWYSSSDKNCKVSFREKLLIDSNLGVQDVENLKFLCIGLVPNKKLEKSSSASDVFEHL LAEDLLSEEDPFFLAELLYIIRQKKLLQHLNCTKEEVERLLPTRQ
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

CASP10 monoclonal antibody (M02), clone 2E7. Western Blot analysis of CASP10 expression in U-2 OS (Cat # L022V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASP10 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to CASP10 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CASP10

Entrez GeneID [843](#)

GeneBank Accession# [NM_032974](#)

Protein Accession# [NP_116756](#)

Gene Name CASP10

Gene Alias ALPS2, FLICE2, MCH4

Gene Description caspase 10, apoptosis-related cysteine peptidase

Omim ID [137215](#) [601762](#) [603909](#) [605027](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 apoptosis defects seen in type II autoimmune lymphoproliferative syndrome. Three alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations FADD-like ICE2|Fas-associated death domain protein|ICE-like apoptotic protease 4|apoptotic protease MCH-4|caspase 10|caspase 10, apoptosis-related cysteine protease|interleukin-1B-converting enzyme 2

Pathway

- [Apoptosis](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Carcinoma](#)
- [Clubfoot](#)
- [Colorectal Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)

- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Skin Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)