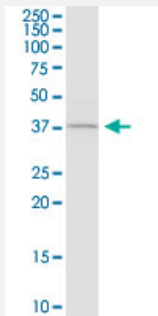


CASP4 monoclonal antibody (M02), clone 7G7

Catalog # H00000837-M02

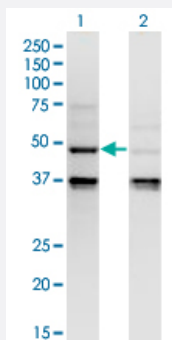
Size 100 ug

Applications



Western Blot (Cell lysate)

CASP4 monoclonal antibody (M02), clone 7G7. Western Blot analysis of CASP4 expression in HeLa.

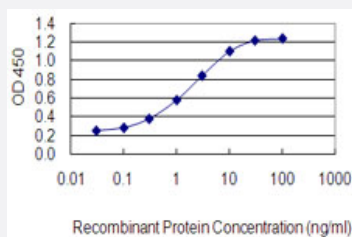


Western Blot (Transfected lysate)

Western Blot analysis of CASP4 expression in transfected 293T cell line by CASP4 monoclonal antibody (M02), clone 7G7.

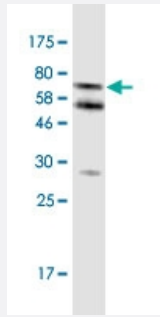
Lane 1: CASP4 transfected lysate (Predicted MW: 43.3 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASP4 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (67.21 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant CASP4.
Immunogen	CASP4 (AAH17839, 1 a.a. ~ 377 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAEGNHRKKPLKVLES LGKDFLTGVLDNLVEQNVLNWKEEEKKKYYDAKTEDKVRVMADSMQE KQRMAGQMLLQTTFFNIDQISPNKKAHPNMEAGPPESGESTDALKLCPHEEFRLRCKERAEEIPIK ERNNRTRLALIICNTEFDHLPPRNGADFDITGMKELLEGLDYSVDVEENLTARDMESALRAFATRP EHKSSDSTFLVLM SHGILEGICGT VHDEKKPDVLLYDTIFQIFNNRNCLSLKDKPKVIIVQACRGANR GELWVRDSPASLEVASSQSSENLEEDAVYKTHVEKDFIAFCSSSTPHNVSWRDSTMGSIFITQLITC FQKYSWCCHLEEVFRKVQSSFETPRAKAQMPTIERLSMTRYFYLFPGN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (60); Rat (59)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (67.21 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)

CASP4 monoclonal antibody (M02), clone 7G7. Western Blot analysis of CASP4 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of CASP4 expression in transfected 293T cell line by CASP4 monoclonal antibody (M02), clone 7G7.

Lane 1: CASP4 transfected lysate (Predicted MW: 43.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CASP4 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CASP4

Entrez GeneID [837](#)

GeneBank Accession# [BC017839](#)

Protein Accession# [AAH17839](#)

Gene Name CASP4

Gene Alias ICE(rel)II, ICEREL-II, ICH-2, Mih1/TX, TX

Gene Description caspase 4, apoptosis-related cysteine peptidase

Omim ID [602664](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 composed of a prodomain and a large and small protease subunit. Activation of caspases requires proteolytic processing at conserved internal aspartic residues to generate a heterodimeric enzyme consisting of the large and small subunits. This caspase is able to cleave and activate its own precursor protein, as well as caspase 1 precursor. When overexpressed, this gene induces cell apoptosis. Alternative splicing results in transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations apoptotic cysteine protease Mih1/TX|caspase 4|caspase 4, apoptosis-related cysteine protease

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
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- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)