OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA805590M

Caspase 4 (CASP4) Mouse Monoclonal Antibody [Clone ID: OTI4A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A2
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 81-270 of human CASP4 (NP_150649) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36.5 kDa
Gene Name:	caspase 4
Database Link:	NP_150649 Entrez Gene 837 Human P49662

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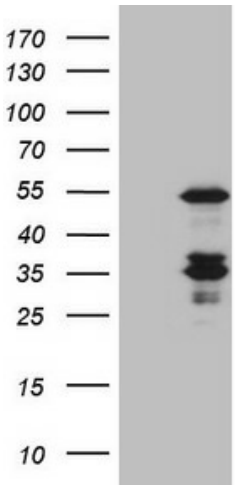
Background: This gene encodes a protein that is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes composed of a prodomain and a large and small protease 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, Jul 2008]

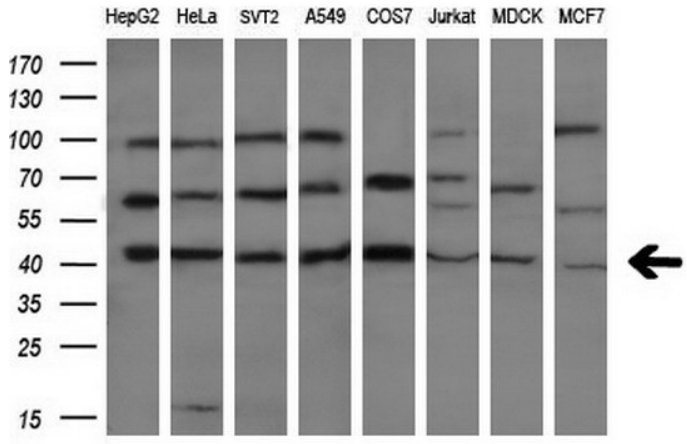
Synonyms: ICE(rel)II; ICEREL-II; ICH-2; Mih1; Mih1/TX; TX

Protein Families: Druggable Genome, Protease

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CASP4 (Cat# [RC204711], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CASP4 (Cat# [TA805590])(1:2000). Positive lysates [LY409623] (100ug) and [LC409623] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 8 different cell lines by using anti-CASP4 monoclonal antibody (1:200).