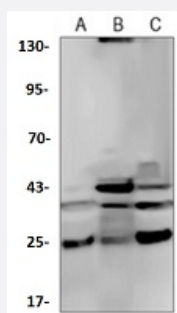


RecomAb™

CASP4 recombinant monoclonal antibody

Catalog # RAB02477 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of C6 (A), NIH3T3 (B), HeLa (C) whole cell lysates with Caspase 4 recombinant monoclonal antibody (Cat # RAB02477).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CASP4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein of mouse Caspase-11.
Theoretical MW (kDa)	45
Reactivity	Human, Mouse, Rat
Specificity	Recognizes endogenous levels of Caspase 4 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation(1:10-1:50) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of C6 (A), NIH3T3 (B), Hela (C) whole cell lysates with Caspase 4 recombinant monoclonal antibody (Cat # RAB02477).

- Immunoprecipitation

Gene Info — CASP4

Entrez GeneID	837
Protein Accession#	P49662
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]
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Other Designations	apoptotic cysteine protease Mih1/TX caspase 4 caspase 4, apoptosis-related cysteine protease
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Disease

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