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[KO Validated] Caspase-8 Rabbit mAb

Catalog No.: A19549 KO Validated Recombinant 8 Publications

Basic Information

Observed MW
57kDa

Calculated MW
55kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human

CloneNo number
ARC0028

Background

This gene encodes 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, a large protease subunit, and a 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 protein is involved in the programmed cell death induced by Fas and various apoptotic stimuli. The N-terminal FADD-like death effector domain of this protein suggests that it may interact with Fas-interacting protein FADD. This protein was detected in the insoluble fraction of the affected brain region from Huntington disease patients but not in those from normal controls, which implicated the role in neurodegenerative diseases. Many alternatively spliced transcript variants encoding different isoforms have been described, although not all variants have had their full-length sequences determined.

Recommended Dilutions

WB	1:1000 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
841

Swiss Prot
Q14790

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CAP4; MACH; MCH5; FLICE; ALPS2B; Casp-8; Caspase-8

Contact

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Product Information

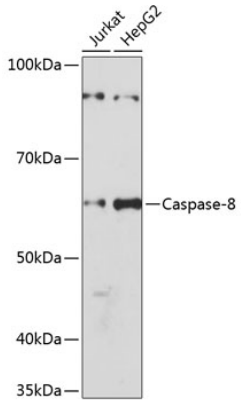
Source
Rabbit

Isotype
IgG

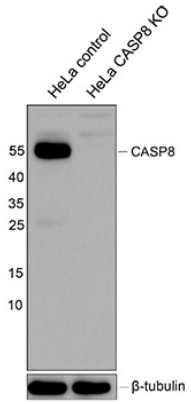
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of various lysates using [KO Validated] Caspase-8 Rabbit mAb (A19549) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3min.



Western blot analysis of lysates from wild type (WT) and caspase-8 knockout (KO) HeLa cells using [KO Validated] Caspase-8 Rabbit mAb (A19549) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:5000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 5% nonfat dry milk in TBST.
Exposure time: 60s.
The data were kindly provided by Dr. Feng Shao, NIBS