

# [KO Validated] Caspase-8 Rabbit mAb

Catalog No.: A19549

**KO Validated****Recombinant****5 Publications**

## Basic Information

**Observed MW**

57kDa

**Calculated MW**

55kDa

**Category**

Primary antibody

**Applications**

ELISA,WB

**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** 1:500 - 1:2000

## Immunogen Information

**Gene ID**

841

**Swiss Prot**

Q14790

**Immunogen**

A synthetic peptide corresponding to a sequence within amino acids 200-300 of human Caspase-8 (Q14790).

**Synonyms**

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

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

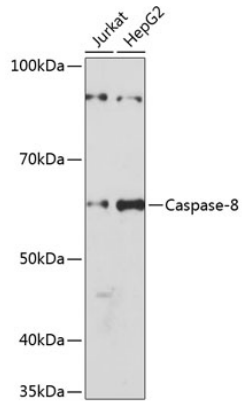
Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of various lysates using [KO Validated] Caspase-8 Rabbit mAb (A19549) at 1:1000 dilution.

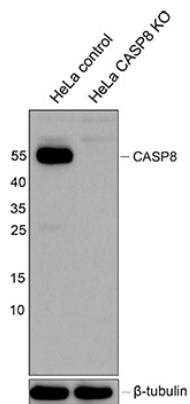
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

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 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**