

#4790 Store at -20°C

## Caspase-8 (D35G2) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB, W-S	H M R	Endogenous	10, 57	Rabbit IgG	#Q14790	841

### Product Usage Information

#### Application

Western Blotting

Simple Western™

#### Dilution

1:1000

1:50 - 1:250

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Specificity / Sensitivity

Caspase-8 (D35G2) Rabbit mAb detects endogenous levels of total caspase-8, including the p10 subunit of the activated protein. Caspase-8 (D35G2) Rabbit mAb may also cross-react with overexpressed levels of caspase-10.

### Species predicted to react based on 100% sequence homology:

Pig

### Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxyl terminus of human caspase-8 protein.

### Background

Apoptosis induced through the CD95 receptor (Fas/APO-1) and tumor necrosis factor receptor 1 (TNFR1) activates caspase-8 and leads to the release of the caspase-8 active fragments, p18 and p10 (1-3). Activated caspase-8 cleaves and activates downstream effector caspases such as caspase-1, -3, -6, and -7. Caspase-3 ultimately elicits the morphological hallmarks of apoptosis, including DNA fragmentation and cell shrinkage.

### Background References

1. Muzio, M. et al. (1996) *Cell* 85, 817-27.
2. Boldin, M.P. et al. (1996) *Cell* 85, 803-15.
3. Fernandes-Alnemri, T. et al. (1996) *Proc Natl Acad Sci U S A* 93, 7464-9.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

### Applications Key

**WB:** Western Blotting **W-S:** Simple Western™

### Cross-Reactivity Key

**H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Mi:** mink **C:** chicken **Dm:** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Sc:** S. cerevisiae **Ce:** C. elegans **Hr:** horse **GP:** Guinea Pig **Rab:** rabbit **All:** all species expected

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