

#4142 Store at -20C

RIP2 (D10B11) Rabbit mAb



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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
WB	H M R Mk	Endogenous	62	Rabbit IgG	#O43353	8767

Product Usage Information

Application

Western Blotting

Dilution

1:1000

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

RIP2 (D10B11) Rabbit mAb recognizes endogenous levels of total RIP2 protein.

Source / Purification

Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human RIP2 protein.

Background

Receptor Interacting Protein 2 (RIP2) is a serine/threonine kinase with a carboxy-terminal caspase activation and recruitment domain (CARD). Association of RIP2 with the tumor necrosis factor receptor (TNFR) causes activation of NF-κB and induction of apoptosis (1-3). Expression of RIP2 is induced in macrophages upon exposure to bacterial cell wall components, such as LPS. RIP2-deficient mouse models demonstrate that this kinase integrates and transduces signals for both the innate and adaptive immune system (4,5).

Background References

1. Inohara, N. et al. (1998) *J Biol Chem* 273, 12296-300.
2. McCarthy, J.V. et al. (1998) *J Biol Chem* 273, 16968-75.
3. Thome, M. et al. (1998) *Curr Biol* 8, 885-8.
4. Chin, A.I. et al. (2002) *Nature* 416, 190-4.
5. Kobayashi, K. et al. (2002) *Nature* 416, 194-9.

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

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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