

For Research Use Only

RIPK3 Recombinant monoclonal antibody

Catalog Number: 86568-2-RR



Basic Information

Catalog Number: 86568-2-RR	GenBank Accession Number: BC062584	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 11035	CloneNo.: 251363G12
Isotype: IgG	UNIPROT ID: Q9Y572	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:200-1:800 IF/ICC: 1:50-1:500
Immunogen Catalog Number: AG30337	Full Name: receptor-interacting serine-threonine kinase 3	
	Calculated MW: 518 aa, 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: THP-1 cells,
IHC: human placenta tissue,
IF/ICC: THP-1 cells,

Background Information

RIPK3, also named as RIP3, a Ser/Thr kinase of RIP (Receptor Interacting Protein) family, is recruited to the TNFR1 signaling complex through RIP and has been shown to mediate apoptosis induction and NF- κ B activation. RIPK3 is a nucleocytoplasmic shuttling protein and its unconventional nuclear localization signal (NLS, 442-472 aa) is sufficient to trigger apoptosis in the nucleus (PMID:18533105). It has 3 isoforms produced by alternative splicing. RIPK3 might form a homodimer within cells, and its apoptotic activity may not be required for this dimerization (PMID:18533105).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

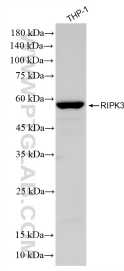
T: 4006900926

E: Proteintech-CN@ptglab.com

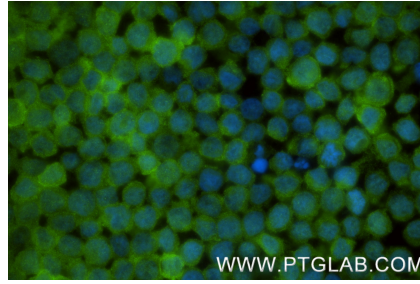
W: ptgcn.com

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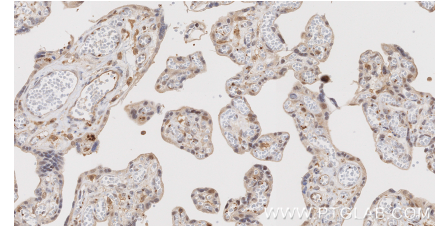
Selected Validation Data



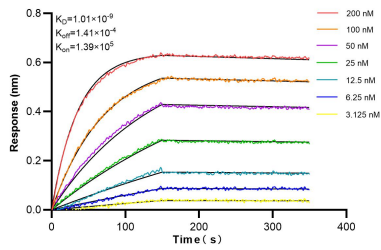
THP-1 cells were subjected to SDS PAGE followed by western blot with 86568-2-RR (RIPK3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using RIPK3 antibody (86568-2-RR, Clone: 251363G12) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 86568-2-RR (RIPK3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 86568-2-RR against Human RIPK3 were performed. The affinity constant is 1.01 nM.