

For Research Use Only

RIPK3 Polyclonal antibody

Catalog Number: 17563-1-AP

142 Publications



Basic Information

Catalog Number:

17563-1-AP

Concentration:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11759

GenBank Accession Number:

BC062584

GeneID (NCBI):

11035

UNIPROT ID:

Q9Y572

Full Name:

receptor-interacting serine-threonine kinase 3

Calculated MW:

518 aa, 57 kDa

Observed MW:

57-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human

Cited Species:

human, yeast

Positive Controls:

WB : HT-29 cells, Jurkat cells, SW 1990 cells, THP-1 cells, SGC-7901 cells

IP : SW 1990 cells,

IHC : human pancreas tissue, human placenta tissue

IF/ICC : HT-29 cells,

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

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Tu	36155221	Environ Pollut	WB
Huojun Zhang	34536498	Life Sci	WB
Yueyang Wang	34480665	Biol Trace Elem Res	WB

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:

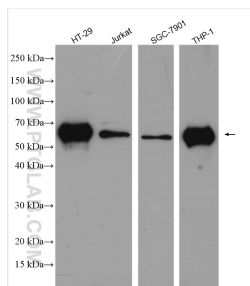
T: 4006900926

E: Proteintech-CN@ptglab.com

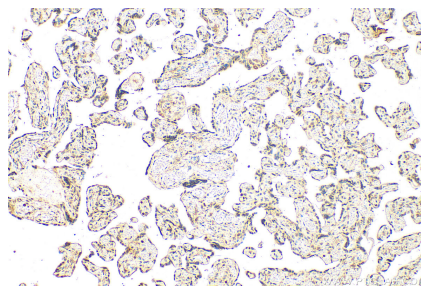
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

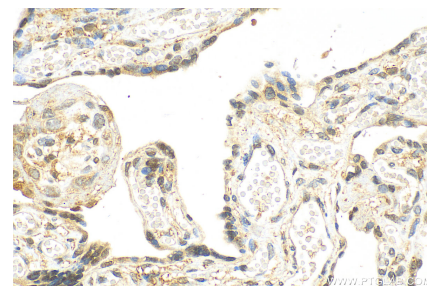
Selected Validation Data



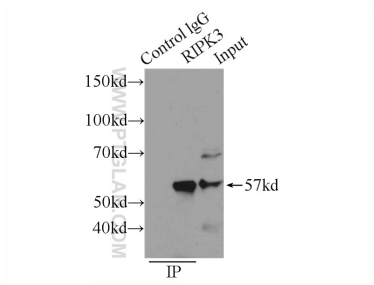
Various lysates were subjected to SDS PAGE followed by western blot with 17563-1-AP (RIP3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



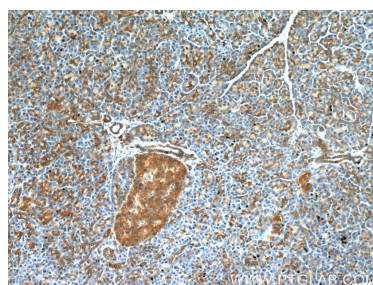
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



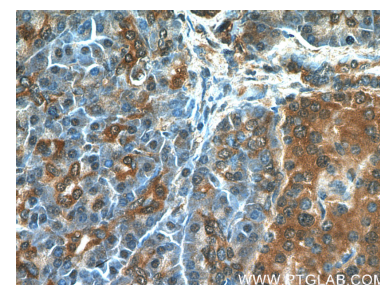
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



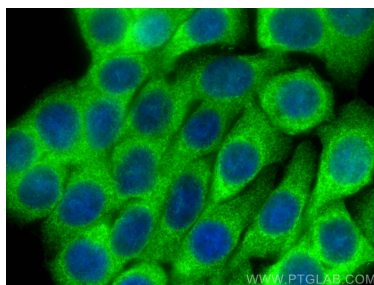
IP result of anti-RIP3 (IP:17563-1-AP, 3ug; Detection:17563-1-AP 1:300) with SW 1990 cells lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human pancreas tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HT-29 cells using RIP3 antibody (17563-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).