

For Research Use Only

RIPK3 Polyclonal antibody

Catalog Number: 17563-1-AP 159 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:

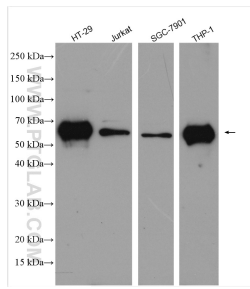
T: 4006900926

E: Proteintech-CN@ptglab.com

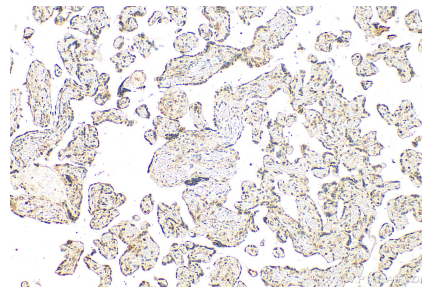
W: ptgcn.com

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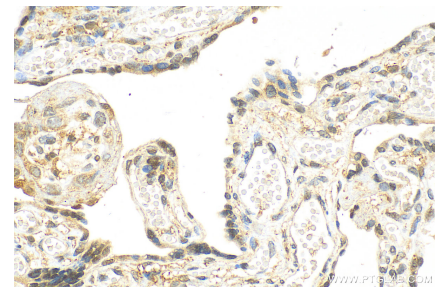
Selected Validation Data



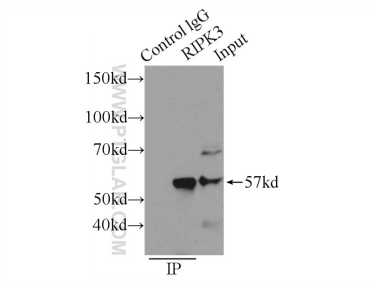
Various lysates were subjected to SDS PAGE followed by western blot with 17563-1-AP (RIP3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



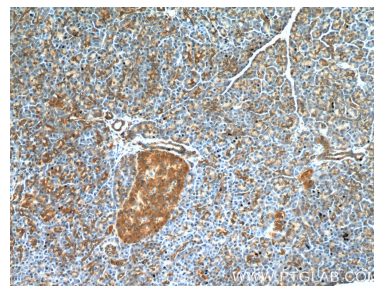
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



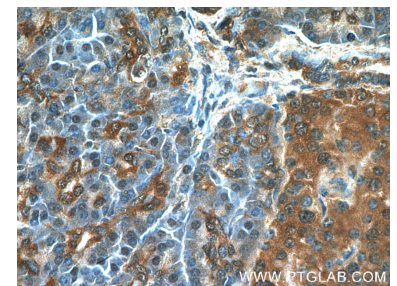
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 17563-1-AP (RIP3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



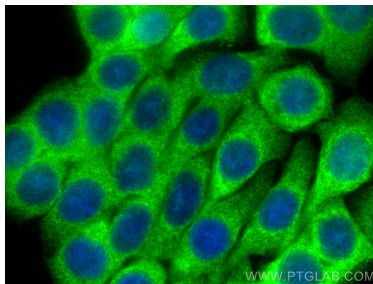
IP result of anti-RIP3 (IP: 17563-1-AP, 3ug; Detection: 17563-1-AP 1:300) with SW 1990 cells lysate 3000ug.



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).