

For Research Use Only

# Phospho-RIPK1 (Ser166) Polyclonal antibody



Catalog Number: 28252-1-AP

4 Publications

## Basic Information

**Catalog Number:**

28252-1-AP

**Size:**

100ul , Concentration: 255 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_003804

**GeneID (NCBI):**

8737

**UNIPROT ID:**

Q13546

**Full Name:**

receptor (TNFRSF)-interacting serine-threonine kinase 1

**Calculated MW:**

76 kDa

**Observed MW:**

70-80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, IF, IHC

**Species Specificity:**

Human

**Cited Species:**

human, mouse

**Positive Controls:**

WB : TNF-alpha treated HT-29 cells,

## Background Information

RIPK1, a 74 kDa protein, is composed of a N-terminal kinase domain, an intermediate domain (containing the RIP homotypic interaction motif, RHIM) and a C-terminal death domain. Stimulation of cells with TNF $\alpha$  can promote distinct cell death pathways, including RIPK1-independent apoptosis, necroptosis, and RIPK1-dependent apoptosis (RDA). TNF $\alpha$  induces cell necroptosis and the phosphorylation of RIPK1 at the Ser166 residue i.e. p-RIPK1 (Ser166), both of which can be effectively inhibited by Nec-1. Therefore, p-RIPK1 (Ser166) is considered a biomarker for the activation of RIPK1 kinase and necroptosis (PMID: 31440386, PMID: 29891719).

## Notable Publications

Author	Pubmed ID	Journal	Application
Lulu Wo	35387966	Cell Death Discov	WB
Yue Li	38318355	iScience	WB,IHC,IF
Sifan Tao	38085663	Inflamm Bowel Dis	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

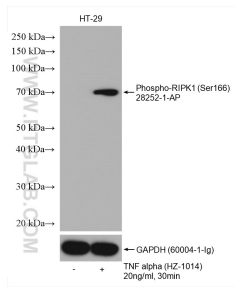
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Non-treated HT-29 and TNF alpha (HZ-1014) treated HT-29 cells were subjected to SDS PAGE followed by western blot with 28252-1-AP (Phospho-RIPK1 (Ser166) antibody) at dilution of 1:1000 incubated at 4°C overnight. The membrane was stripped and re-blotted with GAPDH antibody as loading control.