

## RIP2 (phospho Ser176) Polyclonal Antibody

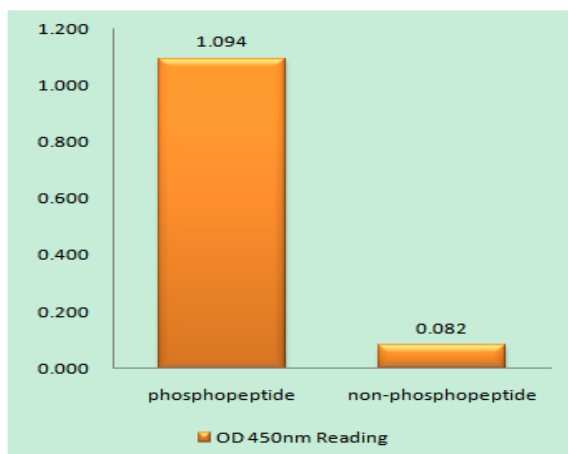
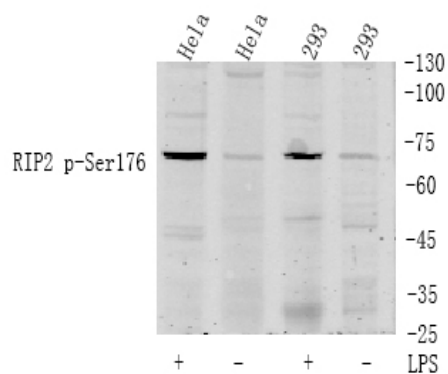
<b>Catalog No :</b>	YP0797
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	RIP2
<b>Fields :</b>	>>NOD-like receptor signaling pathway;>>Neurotrophin signaling pathway;>>Shigellosis;>>Salmonella infection;>>Tuberculosis
<b>Gene Name :</b>	RIPK2
<b>Protein Name :</b>	Receptor-interacting serine/threonine-protein kinase 2
<b>Human Gene Id :</b>	8767
<b>Human Swiss Prot No :</b>	O43353
<b>Mouse Gene Id :</b>	192656
<b>Mouse Swiss Prot No :</b>	P58801
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human RIPK2 around the phosphorylation site of Ser176. AA range:146-195
<b>Specificity :</b>	Phospho-RIP2 (S176) Polyclonal Antibody detects endogenous levels of RIP2 protein only when phosphorylated at S176.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	70kD
<b>Cell Pathway :</b>	NOD-like receptor;Neurotrophin;
<b>Background :</b>	This gene encodes a member of the receptor-interacting protein (RIP) family of serine/threonine protein kinases. The encoded protein contains a C-terminal caspase activation and recruitment domain (CARD), and is a component of signaling complexes in both the innate and adaptive immune pathways. It is a potent activator of NF-kappaB and inducer of apoptosis in response to various stimuli. [provided by RefSeq, Jul 2008],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Activates pro-caspase-1 and pro-caspase-8. Potentiates CASP8-mediated apoptosis. Activates NF-kappa-B.,PTM:Autophosphorylated. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.,similarity:Contains 1 CARD domain.,similarity:Contains 1 protein kinase domain.,subunit:Binds to CFLAR/CLARP and CASP1 via their CARD domains. Binds to BIRC3/c-IAP1 and BIRC2/c-IAP2, TRAF1, TRAF2, TRAF5 and TRAF6. May be a component of both the TNFRSF1A and TNFRSF5/CD40 receptor complex.,tissue specificity:Detected in heart, brain, placenta, lung, peripheral blood leukocytes, spleen, kidney, testis, prostate, pancreas and lymph node.,
<b>Subcellular Location :</b>	Cytoplasm .
<b>Expression :</b>	Detected in heart, brain, placenta, lung, peripheral blood leukocytes, spleen, kidney, testis, prostate, pancreas and lymph node.

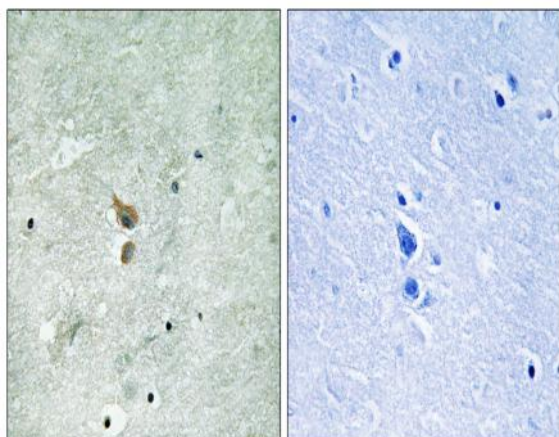
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## Products Images

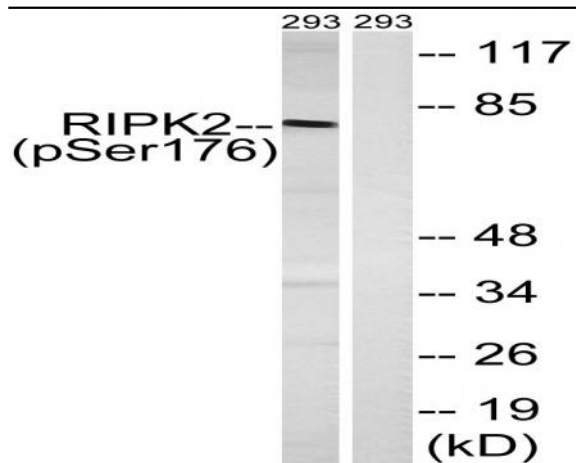
Western Blot analysis of cell lysis treated or untreated by LPS 100ng/mL 30min, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using RIPK2 (Phospho-Ser176) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using RIPK2 (Phospho-Ser176) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 293 cells treated with UV 15', using RIPK2 (Phospho-Ser176) Antibody. The lane on the right is blocked with the phospho peptide.