

## RIPK2 (Phospho Ser176) Antibody

<b>Catalog No :</b>	YP1223
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	RIPK2
<b>Fields :</b>	>>NOD-like receptor signaling pathway;>>Neurotrophin signaling pathway;>>Shigellosis;>>Salmonella infection;>>Tuberculosis
<b>Gene Name :</b>	RIPK2 CARDIAK RICK RIP2 UNQ277/PRO314/PRO34092
<b>Protein Name :</b>	Receptor-interacting serine/threonine-protein kinase 2 (EC 2.7.11.1) (CARD-containing interleukin-1 beta-converting enzyme-associated kinase) (CARD-containing IL-1 beta ICE-kinase) (RIP-like-interacti
<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>	Synthesized phospho derived from human RIPK2 (Phospho-Ser176)
<b>Specificity :</b>	This detects endogenous levels of RIPK2 (Phospho-Ser176)
<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 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 61kD

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**Cell Pathway :** NOD-like receptor;Neurotrophin;

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**Background :** 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],

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**Function :** 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.,

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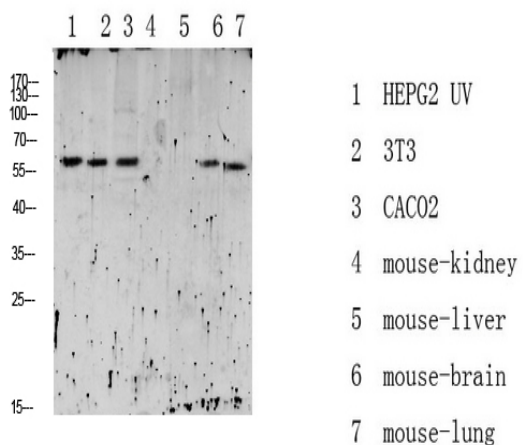
**Subcellular Location :** Cytoplasm .

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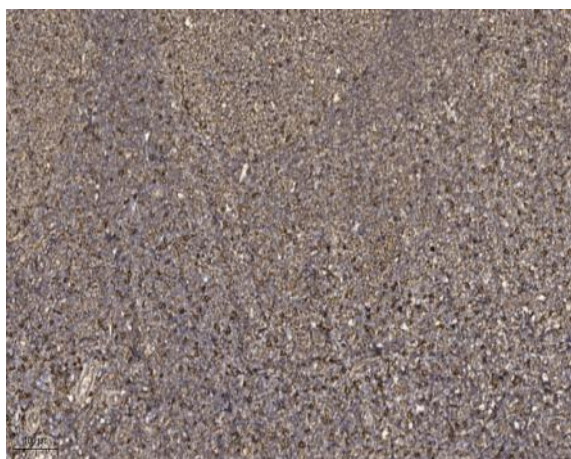
**Expression :** Detected in heart, brain, placenta, lung, peripheral blood leukocytes, spleen, kidney, testis, prostate, pancreas and lymph node.

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## Products Images



Western blot analysis of various lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).