

Rabbit anti-Human, Mouse RIPK2 Polyclonal Antibody | anti-RIPK2 antibody

RIPK2 (Phospho-Ser176) Antibody

CATALOG # AAA305059	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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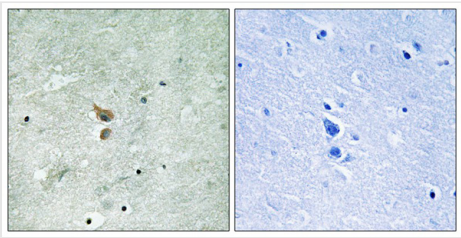
PRODUCT SYNONYMS

RIPK2; Polyclonal Antibody; RIPK2 (Phospho-Ser176) Antibody; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta converting enzyme associated kinase; CARDIAK; EC 2.7.11.1; kinase RIPK2; Receptor-interacting protein 2; Receptor-interacting serine/threonine protein kinase 2; RICK; RIP-2; RIP-like; anti-RIPK2 antibody

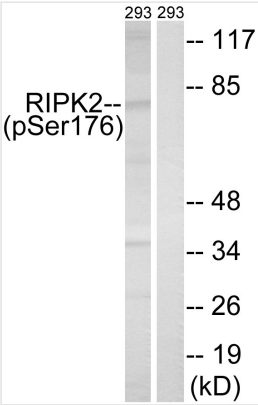
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of RIPK2 only when phosphorylated at serine 176.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	540
Applicable Applications for anti-RIPK2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	peptide
Immunogen Description	Peptide sequence around phosphorylation site of serine 176 (S-L-S(p)-Q-S) derived from Human RIPK2.
Modification	Phospho-Ser176
Target Name	RIPK2
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using RIPK2 (Phospho-Ser176) antibody. The picture on the right is treated with the synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from 293 cells, treated with UV (15mins), using RIPK2 (Phospho-Ser176) antibody. The lane on the right is treated with the synthesized peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RIPK2 antibody	Serine/threonine/tyrosine kinase that plays an essential role in modulation of innate and adaptive immune responses. Upon stimulation by bacterial peptidoglycans, NOD1 and NOD2 are activated, oligomerize and recruit RIPK2 through CARD-CARD domains. Contributes to the tyrosine phosphorylation of the guanine exchange factor ARHGEF2 through Src tyrosine kinase leading to NF-kappaB activation by NOD2. Once recruited, RIPK2 autophosphorylates and undergoes 'Lys-63'-linked polyubiquitination by E3 ubiquitin ligases XIAP, BIRC2 and BIRC3. The polyubiquitinated protein mediates the recruitment of MAP3K7/TAK1 to IKBKG/NEMO and induces 'Lys-63'-linked polyubiquitination of IKBKG/NEMO and subsequent activation of IKKBK/IKKB. In turn, NF-kappa-B is released from NF-kappa-B inhibitors and translocates into the nucleus where it activates the transcription of hundreds of genes involved in immune response, growth control, or protection against apoptosis. Plays also a role during engagement of the T-cell receptor (TCR) in promoting BCL10 phosphorylation and subsequent NF-kappa-B activation.
Product Categories/Family for anti-RIPK2 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506537
NCBI GeneID	8767
NCBI Accession #	NP_003812.1
NCBI GenBank Nucleotide #	NM_003821.5
UniProt Accession #	O43353; Q6UWF0; B7Z748
Molecular Weight	45,582 Da
NCBI Official Full Name	receptor-interacting serine/threonine-protein kinase 2
NCBI Official Synonym Full Names	receptor-interacting serine-threonine kinase 2
NCBI Official Symbol	RIPK2
NCBI Official Synonym Symbols	CCK; RICK; RIP2; CARD3; GIG30; CARDIAK
NCBI Protein Information	receptor-interacting serine/threonine-protein kinase 2
UniProt Protein Name	Receptor-interacting serine/threonine-protein kinase 2
UniProt Gene Name	RIPK2
UniProt Synonym Gene Names	CARDIAK; RICK; RIP2; CARD-containing IL-1 beta ICE-kinase; RIP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ripk2-antibody-immunohistochemistry-western-blot-elisa/305059>