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Product datasheet for AP20861PU-N

DOK2 pTyr299 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**Western blot:** 1/500 - 1/1000. **Immunofluorescence**: 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human Dok-2 around the phosphorylation site of Tyrosine 299.
Specificity:	This antibody detects endogenous levels of Dok-2 protein when phosphorylated at Tyr299.
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 56 kDa
Gene Name:	docking protein 2
Database Link:	Entrez Gene 13449 MouseEntrez Gene 9046 Human O60496

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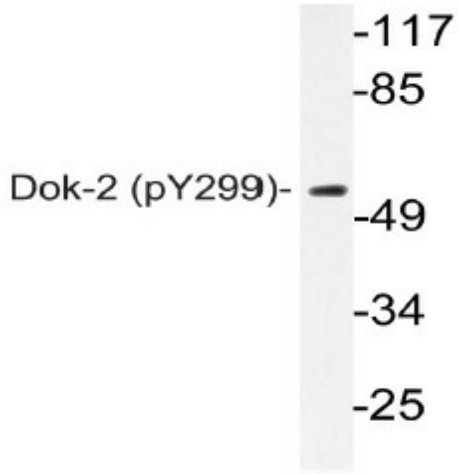
Background: Dok-1 associates with the Ras GTPase activating protein (Ras GAP) upon tyrosine phosphorylation. Evidence suggests that p62 Dok-1 is a substrate of the constitutive tyrosine kinase activity of p210 Bcr-Abl, a fusion protein caused by the t(9;22) translocation and associated with chronic myelogenous leukemia. Dok-1, as well as the tyrosine kinase substrates IRS-1 and Cas, is a member of a class of "docking" proteins which contain multiple tyrosine residues and putative SH2 binding sites. Dok-1 is suspected to be the substrate phosphorylated in response to stimulation by a number of growth factors, including PDGF, VEGF, Insulin and IGF. Dok-2 (also designated p56 Dok) has also been identified as a potential mediator of the effects of p210 Bcr-Abl.

Synonyms: p56(dok-2), p56Dok-2, Docking protein 2

Protein Families: Druggable Genome

Product images:



Western blot (WB) analyzes of p-Dok-2 antibody (Cat.-No.: AP20861PU-N) in extracts from 293 serum cells.