

AP20861PU-N**Polyclonal Antibody to DOK2 / p56 dok2 pTyr299 - Aff - Purified**

Alternate names:	Docking protein 2, Downstream of tyrosine kinase 2, p56(dok-2), p56Dok-2
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
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.
Uniprot ID:	O60496
NCBI:	NP_003965
GenelD:	9046
Host:	Rabbit
Immunogen:	Synthetic phosphopeptide derived from human Dok-2 around the phosphorylation site of Tyrosine 299.
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography (> 95% (by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS), pH 7.2. Preservatives: 0.05% sodium azide
Applications:	Western blot: 1/500 - 1/1000. Immunofluorescence: 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 56 kDa
Specificity:	This antibody detects endogenous levels of Dok-2 protein when phosphorylated at Tyr299.
Species Reactivity:	Tested: Human, Mouse.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

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

