

**(** Tel: 400-999-8863 ■ Emall:Upingbio.163.com



## Dok-2 (phospho Tyr299) Polyclonal Antibody

Catalog No	YP-Ab-03514
Isotype	lgG
Reactivity	Human;Mouse;Monkey
Applications	WB;IF;ELISA
Gene Name	DOK2
Protein Name	Docking protein 2
Immunogen	The antiserum was produced against synthesized peptide derived from human p56 Dok-2 around the phosphorylation site of Tyr299. AA range:266-315
Specificity	Phospho-Dok-2 (Y299) Polyclonal Antibody detects endogenous levels of Dok-2 protein only when phosphorylated at Y299.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DOK2; Docking protein 2; Downstream of tyrosine kinase 2; p56(dok-2)
Observed Band	48kD
Cell Pathway	cytosol,
Tissue Specificity	Highly expressed in peripheral blood leukocytes, lymph nodes and spleen. Lower expression in thymus, bone marrow and fetal liver.
Function	domain:PTB domain mediates receptor interaction.,function:DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate the cellular proliferation induced by IL-4, as well as IL-2 and IL-3. May be involved in modulating Bcr-Abl signaling. Attenuates EGF-stimulated MAP kinase activation.,PTM:On immunoreceptor stimulation, phosphorylated on C-terminal tyrosine residues. Phosphorylation on Tyr-345 is required for binding to the SH2 domain of NCK. Phosphorylation on both Tyr-271 and Tyr-299 is required for interaction with RASGAP.,similarity:Belongs to the DOK family. Type A subfamily.,similarity:Contains 1 IRS-type PTB domain.,similarity:Contains 1 PH domain.,subunit:Interacts with phosphorylated RASGAP and EGFR. Interacts with RET and NCK.,tissue specificity:Highly expressed in
Background	docking protein 2(DOK2) Homo sapiens The protein encoded by this gene is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from



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chronic myelogenous leukemia (CML) patients in the chronic phase. It may be a critical substrate for p210(bcr/abl), a chimeric protein whose presence is associated with CML. This encoded protein binds p120 (RasGAP) from CML cells. [provided by RefSeq, Jul 2008],

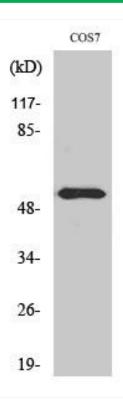
matters needing attention

Avoid repeated freezing and thawing!

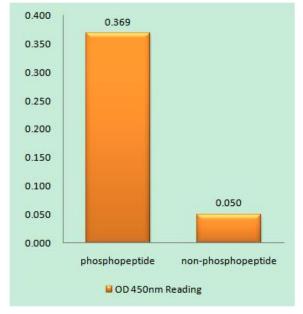
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using Phospho-Dok-2 (Y299) Polyclonal Antibody

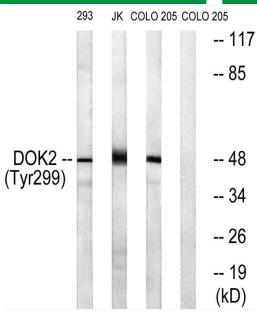


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using p56 Dok-2 (Phospho-Tyr299) Antibody



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Western blot analysis of lysates from COS7 cells treated with insulin 0.01U/ml 15', Jurkat cells treated with insulin 0.01U/ml 15' and 293 cells treated with serum 20% 15', using p56 Dok-2 (Phospho-Tyr299) Antibody. The lane on the right is blocked with the phospho peptide.