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phospho-DOK2 (Tyr351) Rabbit pAb

Catalog # AP99472

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	O60496
Other Accession	O60496
Predicted	Rat, Pig, Human, Mouse, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45379
Physical State	Liquid
Immunogen	KLH conjugated Synthesised phosphopeptide derived from human p56Dok2 around the phosphorylation site of (Tyr351)
Epitope Specificity	HI(p-Y)DE
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the DOK family. Type A subfamily. Contains 1 IRS-type PTB domain. Contains 1 PH domain.
SUBUNIT	Interacts with phosphorylated RASGAP and EGFR. Interacts with RET and NCK. Interacts (via PH domain) with TEK/TIE2 (tyrosine phosphorylated).
Post-translational modifications	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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is constitutively tyrosine phosphorylated in hematopoietic progenitors isolated from 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]

Additional Information

Gene ID	9046
Other Names	p56DOK; p56dok-2; DokR; Frip; dok-R; DOK2_HUMAN; DOK2; Downstream of tyrosine kinase 2; p56(dok-2); DOK2_MOUSE; Dok-related protein (Dok-R); IL-four receptor-interacting protein (FRIP); docking protein 2; docking protein 2, 56kD; docking protein 2, 56kDa; DOK2 (phospho-Y351); p-DOK2; phospho-DOK2; DOK2 (phospho-Tyr351)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DOK2
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 (By similarity).
Tissue Location	Highly expressed in peripheral blood leukocytes, lymph nodes and spleen. Lower expression in thymus, bone marrow and fetal liver.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.