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Rabbit Anti-DOK2/AP Conjugated antibody

SL2746R-AP

Product Name	Anti-DOK2/AP
Chinese Name	碱性磷酸酶（AP）标记的 D 酪氨酸激酶衰减蛋白 2 抗体
Alias	Docking protein 2 56kDa; Docking protein 2 antibody DOK 2; DOK R; Downstream of tyrosine kinase 2; p56(dok 2); p56dok 2; p56DOK; p56dok2; DOK2; DOK2_HUMAN; Downstream of tyrosine kinase 2; OTTHUMP00000161710; OTTHUMP00000224923; p56(dok 2); p56(dok-2).
Research Area	Tumour Cell biology Signal transduction Kinases and Phosphatases
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Rabbit)
Applications	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	45kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from mouse DOK 2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:** 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]

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.

Subunit:
Highly expressed in peripheral blood leukocytes, lymph nodes and spleen. Lower expression in thymus, bone marrow and fetal liver.

Tissue Specificity:
Highly expressed in spleen and lung.

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.

Similarity:
Belongs to the DOK family. Type A subfamily.
Contains 1 IRS-type PTB domain.
Contains 1 PH domain.

Database links:

Entrez Gene: 9046 Human

Entrez Gene: 13449 Mouse

Omim: 604997 Human

SwissProt: O60496 Human

SwissProt: O70469 Mouse

Unigene: 71215 Human

Unigene: 243323 Mouse

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Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.