



Dok-2 (phospho Tyr345) Polyclonal Antibody

Catalog No	YP-Ab-03607
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	DOK2
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human Dok-2 (phospho Tyr345)
Specificity	Phospho-Dok-2 (Y345) Polyclonal Antibody detects endogenous levels of Dok-2 protein only when phosphorylated at Y345.
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	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Docking protein 2 56kDa;Docking protein 2;DOK 2;DOK R;DOK2; DOK2_HUMAN;Downstream of tyrosine kinase 2;OTTHUMP16171; OTTHUMP224923;p56(dok 2);p56(dok-2);p56dok 2;p56DOK;p56dok2;Dok-2
Observed Band	
Calculated Molecular Weight	
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 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],

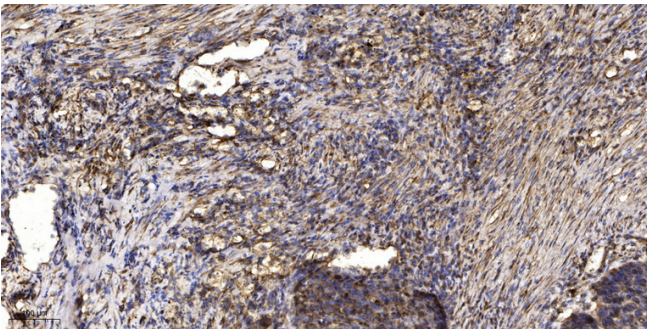
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).