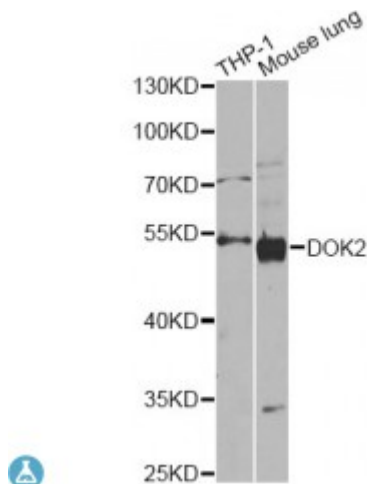


Anti-DOK2 Antibody



Description

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.

Model	STJ116019
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-260 of human DOK2 (NP_003965.2).
Gene ID	9046
Gene Symbol	DOK2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in peripheral blood leukocytes, lymph nodes and spleen, Lower expression in thymus, bone marrow and fetal liver
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Docking protein 2 Downstream of tyrosine kinase 2 p56(dok-2
Molecular Weight	45.379 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2991 OMIM:604997 Reactome:R-HSA-210993
Alternative Names	Docking protein 2 Downstream of tyrosine kinase 2 p56(dok-2
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 ,
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, Phosphorylated on tyrosine residues by TEK/TIE2 ,

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