

ARG51759 anti-DOK2 phospho (Tyr299) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DOK2 phospho (Tyr299)
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DOK2
Species	Human
Immunogen	Peptide sequence around phosphorylation site of tyrosine 299 (G-E-Y(p)-A-V) derived from Human p56Dok-2.
Conjugation	Un-conjugated
Alternate Names	p56dok-2; Docking protein 2; p56DOK; dok-2; Downstream of tyrosine kinase 2; p56

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:200
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

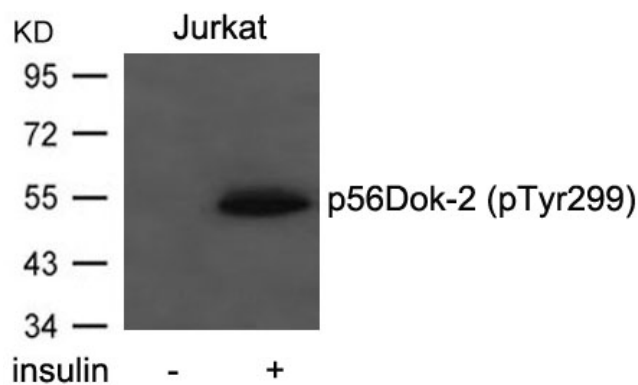
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

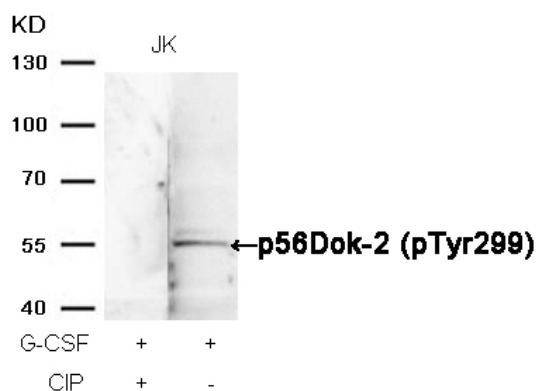
Database links	GeneID: 9046 Human Swiss-port # O60496 Human
Gene Symbol	DOK2
Gene Full Name	docking protein 2, 56kDa
Background	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK2 may modulate 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
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). [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	45 kDa
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. Phosphorylated on tyrosine residues by TEK/TIE2 (By similarity).

Images



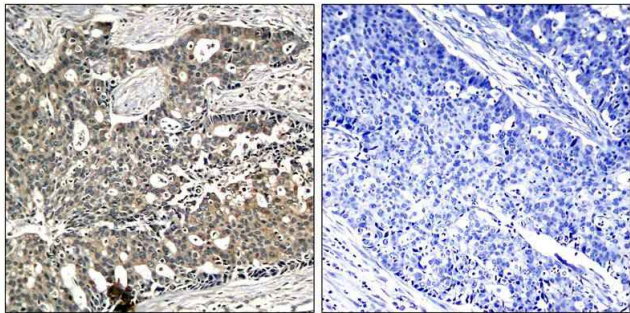
ARG51759 anti-DOK2 phospho (Tyr299) antibody WB image

Western blot: Extracts from Jurkat cells untreated or treated with insulin stained with ARG51759 anti-DOK2 phospho (Tyr299) antibody.



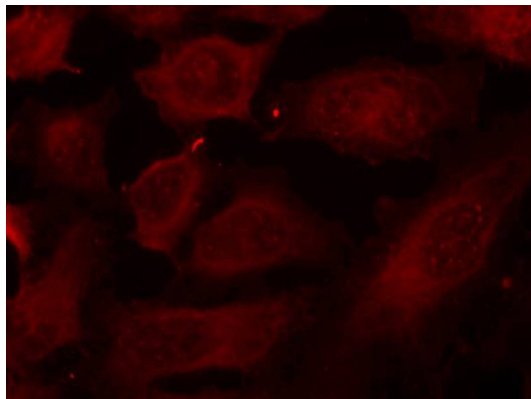
ARG51759 anti-DOK2 phospho (Tyr299) antibody WB image

Western blot: Extracts from JK cells, treated with G-CSF or calf intestinal phosphatase (CIP), stained with ARG51759 anti-DOK2 phospho (Tyr299) antibody.



ARG51759 anti-DOK2 phospho (Tyr299) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast carcinoma tissue stained with ARG51759 anti-DOK2 phospho (Tyr299) antibody (left) or the same antibody preincubated with blocking peptide (right).



ARG51759 anti-DOK2 phospho (Tyr299) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51759 anti-DOK2 phospho (Tyr299) antibody.