ARG58004
anti-DOK1 / p62 Dok antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DOK1 / p62 Dok
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DOK1 / p62 Dok
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human DOK1.
Conjugation	Un-conjugated
Alternate Names	dok; p62; P62DOK; Docking protein 1; pp62; Downstream of tyrosine kinase 1

Application Instructions

Application table

Application	Dilution
ICC/IF	2 - 10 µg/ml
WB	1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	WB: Jurkat cell lysate.
Observed Size	~ 62 kDa

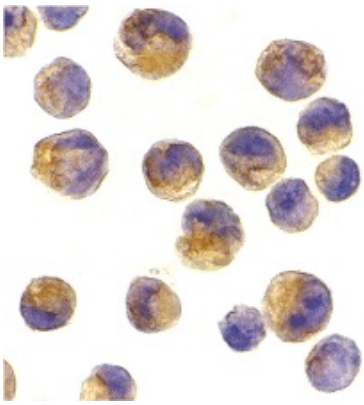
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
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 or below. 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

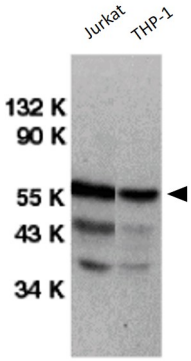
Gene Symbol	DOK1
Gene Full Name	docking protein 1, 62kDa (downstream of tyrosine kinase 1)
Background	The protein encoded by this gene is part of a signal transduction pathway downstream of receptor tyrosine kinases. The encoded protein is a scaffold protein that helps form a platform for the assembly of multiprotein signaling complexes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
Function	DOK proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. DOK1 appears to be a negative regulator of the insulin signaling pathway. Modulates integrin activation by competing with talin for the same binding site on ITGB3. [UniProt]
Calculated Mw	52 kDa
PTM	Constitutively tyrosine-phosphorylated. Phosphorylated by TEC (By similarity). Phosphorylated by LYN (By similarity). Phosphorylated on tyrosine residues by the insulin receptor kinase. Results in the negative regulation of the insulin signaling pathway. Phosphorylated on tyrosine residues by SRMS. [UniProt]

Images



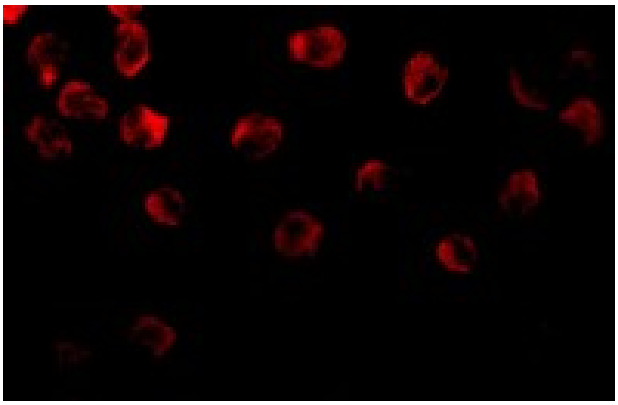
ARG58004 anti-DOK1 / p62 Dok antibody ICC/IF image

Immunofluorescence: K562 cells stained with ARG58004 anti-DOK1 / p62 Dok antibody at 10 µg/ml dilution.



ARG58004 anti-DOK1 / p62 Dok antibody WB image

Western blot: Jurkat and THP-1 cell lysates stained with ARG58004 anti-DOK1 / p62 Dok antibody at 1 µg/ml dilution.



ARG58004 anti-DOK1 / p62 Dok antibody ICC/IF image

Immunocytochemistry: K562 cells stained with ARG58004 anti-DOK1 / p62 Dok antibody at 2 µg/ml dilution.