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Datasheet for 600-401-AW9

DOK1 Antibody

Overview

Description:	Anti-DOK1 (RABBIT) Antibody - 600-401-AW9
Item No.:	600-401-AW9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Signals from most growth factors and cytokines are transduced by receptor tyrosine kinases or non-receptor tyrosine kinases. Activated tyrosine kinases phosphorylate their substrates, which mediate the cellular response to extracellular stimuli. A long-sought major substrate termed p62dok (downstream of tyrosine kinase) for many tyrosine kinases including c-kit, v-abl, v-Fps, v-Src, v-Fms, and activated EGF, PDGF, IGF, VEGF and insulin receptors was identified recently from human and mouse by several laboratories. Upon phosphorylation, p62dok forms a complex with the ras GTPase-activating protein (RasGAP). p62dok represents a new family with very recently identified p56dok.
Synonyms:	DOK1 Antibody, TP1, TLP1, p240, TROVE1, VAULT2, Docking protein 1, Downstream of tyrosine kinase 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DOK1
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-DOK1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a peptide corresponding to amino acids near the C-terminus of human DOK1.
Purity/Specificity:	Anti-DOK1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with DOK1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q99704 • GeneID - 7011 • NCBI - AAC51127

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-DOK1 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 53 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	10 µg/mL
WB:	1 µg/mL

Formulation

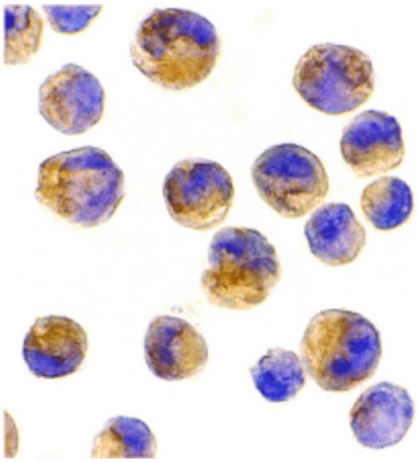
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

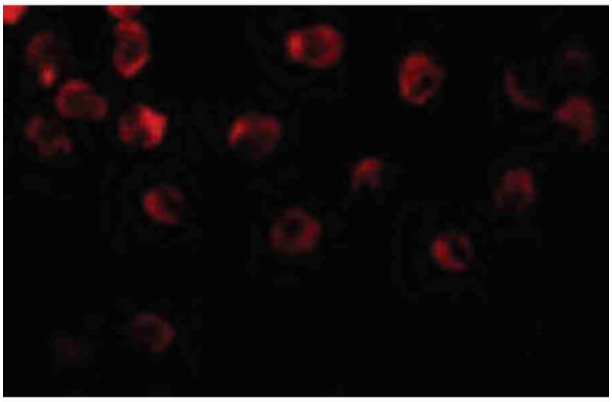
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

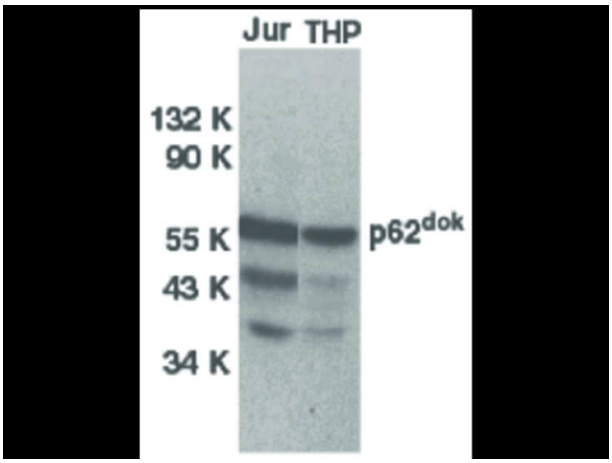
Images



Immunohistochemistry
Immunocytochemistry of Rabbit DOK1 antibody. Cell Type: K562 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: DOK1 antibody at 2 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DOK1 is cytoplasmic and occasionally nuclear. Staining: DOK1 as precipitated brown signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-DOK1 antibody. Cell Type: K562 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: anti-DOK1 antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DOK1 is cytoplasmic and occasionally nuclear. Staining: DOK1 as red fluorescent signal with bis-benzimide (blue) nuclear counterstain.



Western Blot
Western Blot of Rabbit anti-DOK1 antibody. Lane 1: Jurkat (Jur) lysate at 1 µg/mL. Lane 2: THP-1 (THP) lysate at 1 µg/mL. Load: 35 µg per lane. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C.
Predicted/Observed size: 52.4 kDa, 55 kDa for DOK1. Other band(s): DOK1 variants and isoforms.

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