

Rabbit DOK4 Polyclonal Antibody | anti-DOK4 antibody

DOK4 Polyclonal Antibody

CATALOG # AAA36721	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

DOK4; Polyclonal Antibody; DOK4 Polyclonal Antibody; docking protein 4; FLJ10488; Insulin receptor substrate 5; IRS5; IRS 5; anti-DOK4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	326
Applicable Applications for anti-DOK4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant Protein of human DOK4
Calculated Molecular Weight	37kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using DOK4 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of MCF-7 cells, using DOK4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-DOK4 antibody	The downstream of kinase family (Dok-1-7) are members of a class of docking proteins that interact with receptor tyrosine kinases and, via this interaction, mediate biological responses within the body. Dok-4 (Downstream of kinase-4) is a 326 amino acid protein that contains one PH domain and one IRS-type PTB domain and belongs to the Dok family of interacting proteins. Expressed in a variety of tissues with highest expression in liver, heart, kidney and skeletal muscle, Dok-4 plays an important role in Ret-mediated neurite outgrowth and may link Ret with downstream effectors during neuronal differentiation. Additionally, Dok-4 is thought to play a positive role in the activation of MAPK pathways and may participate in T-cell induced immune system regulation. Overexpression of Dok-4 is associated with clear cell renal cell carcinoma, suggesting a role for Dok-4 in tumorigenesis.
Product Categories/Family for anti-DOK4 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	84029600
NCBI GeneID	55715
UniProt Accession #	Q8TEW6; O75209; Q9BTP2; Q9NVV3
Molecular Weight	326
NCBI Official Full Name	Docking protein 4
NCBI Official Synonym Full Names	docking protein 4
NCBI Official Symbol	DOK4
NCBI Protein Information	docking protein 4; IRS5; IRS-5; insulin receptor substrate 5; downstream of tyrosine kinase 4
UniProt Protein Name	Docking protein 4
UniProt Gene Name	DOK4
UniProt Synonym Gene Names	IRS-5; IRS5
UniProt Entry Name	DOK4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dok4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36721>