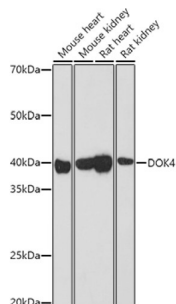
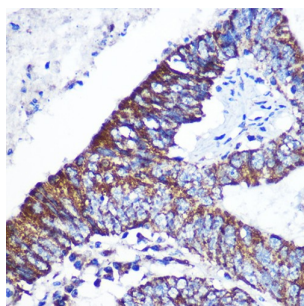


## Docking Protein 4 (DOK4) Antibody

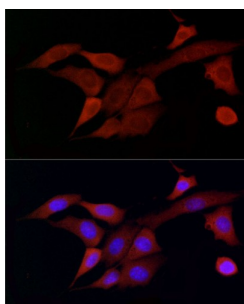
Catalogue No.: abx000611



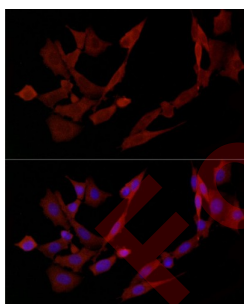
Western blot analysis of various lysates using DOK4 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 90s.



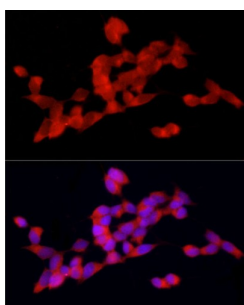
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using DOK4 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of NIH/3T3 cells using DOK4 Antibody at dilution of 1/50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using DOK4 Antibody at dilution of 1/50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using DOK4 Antibody at dilution of 1/50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

# Datasheet

Version: 4.0.0  
Revision date: 18 Jun 2025



DOK4 Antibody is a Rabbit Polyclonal antibody against DOK4. 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.

<b>Target:</b>	Docking Protein 4 (DOK4)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Tested Applications:</b>	ELISA, WB, IHC, IF/ICC
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-326 of human DOK4.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by affinity chromatography.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	Q8TEW6 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	DOK4
<b>GeneID:</b>	<a href="#">55715</a>
<b>NCBI Accession:</b>	NP_060580.2
<b>KEGG:</b>	hsa:55715
<b>String:</b>	<a href="#">9606.ENSP00000344277</a>

# Datasheet

Version: 4.0.0

Revision date: 18 Jun 2025



**Molecular Weight:** Calculated MW: 37 kDa  
Observed MW: 37 kDa

**Buffer:** PBS, pH 7.3, containing 0.09% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only