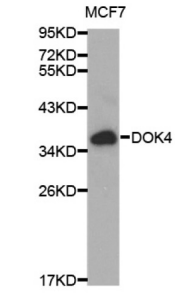
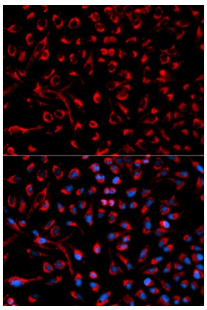
Docking Protein 4 (DOK4) Antibody

Catalogue No.:abx000611



Western blot analysis of extracts of MCF-7 cells, using DOK4 antibody (abx000611) at 1/1000 dilution.



Immunofluorescence analysis of HeLa cells using DOK4 antibody (abx000611). Blue: DAPI for nuclear staining.

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.

Target:	Docking Protein 4 (DOK4)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	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.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-326 of human DOK4.

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Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q8TEW6 (UniProt, ExPASy)
Gene Symbol:	DOK4
GeneID:	55715
NCBI Accession:	NP_060580.2
KEGG:	hsa:55715
String:	9606.ENSP00000344277
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.

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