

DOK4 Antibody

Catalog No: #32025

Package Size: #32025-1 50ul #32025-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	DOK4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total DOK4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant Protein of human DOK4.
Target Name	DOK4
Other Names	DOK4; dockingprotein4; FLJ10488; Insulinreceptorsubstrate5; IRS5
Accession No.	Swiss-Prot:Q8TEW6NCBI Gene ID:55715
Uniprot	Q8TEW6
GeneID	55715;
SDS-PAGE MW	37KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

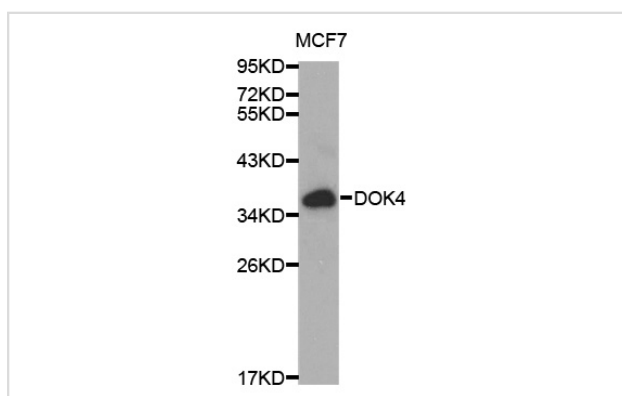
Application Details

Western blotting: 1:500 - 1:2000

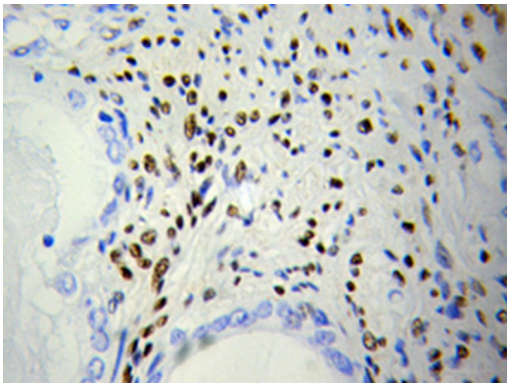
Immunohistochemistry: 1:50 - 1:200

Immunofluorescence: 1:50 - 1:200

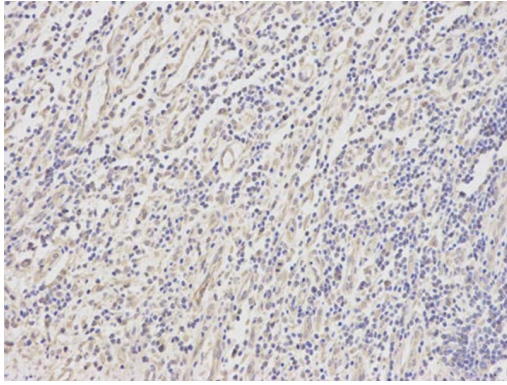
Images



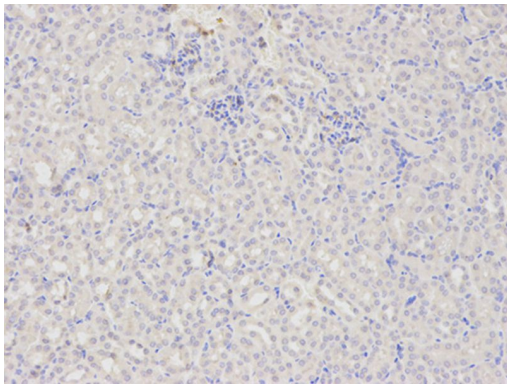
Western blot analysis of extracts of MCF7 cells, using DOK4 antibody.



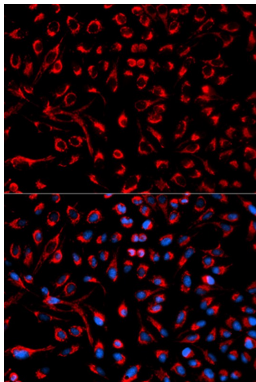
Immunohistochemical analysis of paraffin-embedded Prostate cancer using DOK4 Antibody.



Immunohistochemical analysis of paraffin-embedded human stomach cancer using DOK4 antibody at dilution of 1:200 (200x lens).



Immunohistochemical analysis of paraffin-embedded mouse kidney using DOK4 antibody at dilution of 1:200 (200x lens).



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

Background

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.

Note: This product is for in vitro research use only