

For Research Use Only

DOK4 Polyclonal antibody

Catalog Number: 10481-2-AP



Basic Information

Catalog Number:
10481-2-AP

Size:
150UL, Concentration: 500 µg/ml by
Nanodrop and 427 µg/ml by Bradford
method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0734

GenBank Accession Number:
BC003541

GeneID (NCBI):
55715

Full Name:
docking protein 4

Calculated MW:
37 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IHC 1:20-1:200

Applications

Tested Applications:
IHC, ELISA

Species Specificity:
human, mouse, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

IHC : human prostate cancer tissue,

Background Information

The INS-receptor substrate family plays important roles in cellular growth, signaling and survival. IRS5/DOK4 is a new member of this family identified, which is known as docking protein 4, or downstream of tyrosine kinase-4. DOK4 might have roles in INS and IGF-1 signaling as well. Expression of IRS5/DOK4 is regulated epigenetically via histone acetylating at its promoter. DOK4 is required at early stages in the myelination process, including the initial interaction with the axon, and is also involved in Schwann cell migration and proliferation, it also regulates GDNF-mediated neurite outgrowth during neuronal development through activation of the Rap1-ERK1/2 pathway. DOK4 may represent a novel negative regulator of T cells as other DOK family members like DOK1 and DOK2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

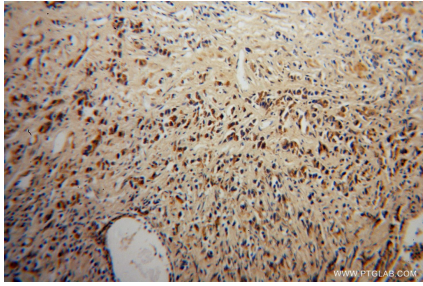
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

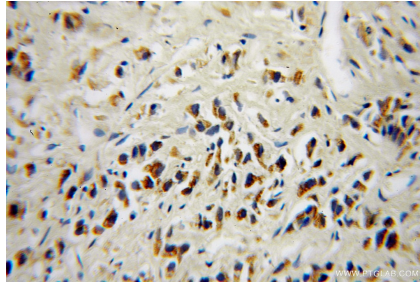
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10481-2-AP (DOK4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 10481-2-AP (DOK4 antibody) at dilution of 1:50 (under 40x lens).