

DOK4 Polyclonal antibody

Catalog Number: 10481-2-AP

Basic Information

Catalog Number:

10481-2-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0734

GenBank Accession Number:

BC003541

GeneID (NCBI):

55715

UNIPROT ID:

Q8TEW6

Full Name:

docking protein 4

Calculated MW:

37 kDa

Observed MW:

37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse skeletal muscle tissue, rat skeletal muscle 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

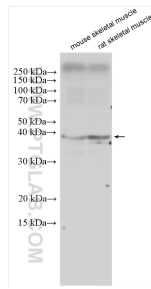
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10481-2-AP (DOK4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.