

For Research Use Only

CIB2 Polyclonal antibody, PBS Only

Catalog Number: 32585-1-PBS



Basic Information

Catalog Number:

32585-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38508

GenBank Accession Number:

NM_006383.3

GeneID (NCBI):

10518

UNIPROT ID:

O75838

Full Name:

calcium and integrin binding family member 2

Calculated MW:

22 kDa 187aa

Observed MW:

39 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

Background Information

The CIB (calcium and integrin binding) protein family has 4 members (CIB1-CIB4), each composed of 4 EF-hand Ca²⁺-binding motifs (PMID: 27771768). CIB2 is broadly expressed in a variety of tissues, which plays a role in sensory neurons of the ear and eye involved in the regulation of Ca²⁺ homeostasis (PMID: 28663585; 29084757; 29255404). Mutations of CIB2 have been associated with autosomal recessive nonsyndromic deafness 48 (DFNB48), as well as syndromic deafness in Usher syndrome, type 1J (USH1J) (PMID: 23331261). The observed molecular weight of CIB2 is 39 kDa because it can form a dimer (PMID: 30174586).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

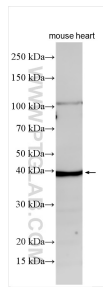
For technical support and original validation data for this product please contact:

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Selected Validation Data



Mouse heart tissue lysate was subjected to SDS PAGE followed by western blot with 32585-1-AP (CIB2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32585-1-PBS in a different storage buffer formulation.