

For Research Use Only

# CIB2 Polyclonal antibody

Catalog Number: 32585-1-AP



## Basic Information

<b>Catalog Number:</b> 32585-1-AP	<b>GenBank Accession Number:</b> NM_006383.3	<b>Purification Method:</b> Antigen affinity Purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 10518	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O75838	
<b>Immunogen Catalog Number:</b> AG38508	<b>Full Name:</b> calcium and integrin binding family member 2	
	<b>Calculated MW:</b> 22 kDa, 187aa	
	<b>Observed MW:</b> 39 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse heart tissue,
<b>Species Specificity:</b> human, mouse	

## Background Information

The CIB (calcium and integrin binding) protein family has 4 members (CIB1-CIB4), each composed of 4 EF-hand Ca<sup>2+</sup>-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 Ca<sup>2+</sup> 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 -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

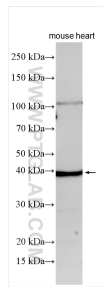
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## Selected Validation Data



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.