

For Research Use Only

# DAB1 Polyclonal antibody

Catalog Number: 31459-1-AP



## Basic Information

<b>Catalog Number:</b> 31459-1-AP	<b>GenBank Accession Number:</b> NM_021080	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1600	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75553	
<b>Isotype:</b> IgG	<b>Full Name:</b> disabled homolog 1 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG35376	<b>Calculated MW:</b> 64 kDa	
	<b>Observed MW:</b> 45 kDa, 80 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, pig	<b>WB :</b> pig cerebellum tissue, MCF-7 cells <b>IF/ICC :</b> HepG2 cells,

## Background Information

Disabled-1 (Dab1) is an adaptor protein that is essential for neuronal migration and maturation in response to the extracellular protein Reelin. DAB1 protein docks to the intracellular part of the Reelin very low density lipoprotein receptor and apoE receptor type 2 and becomes tyrosine-phosphorylated following binding of Reelin to cortical neurons. The DAB1 protein contains a 180-amino acid N-terminal protein interaction/phosphotyrosine-binding (PTB) 1 domain that docks to the short cytoplasmic tail of the very low density lipoprotein receptor or apoE receptor type 2 at the level of NPXY motifs, with a preference for unphosphorylated motifs. Dab1 polypeptide bands ranging from 36 to 120 kDa have been identified in mouse embryonic brain, the 80-kDa Dab1 being the predominant form (PMID: 24313315).

## Storage

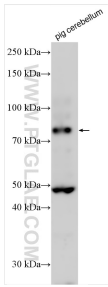
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

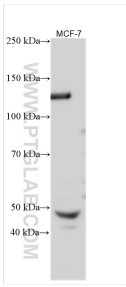
For technical support and original validation data for this product please contact:  
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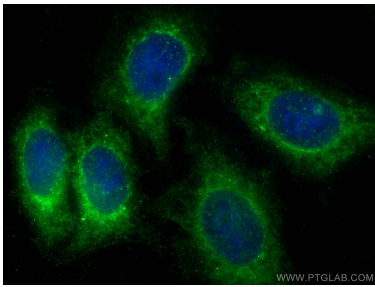
# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31459-1-AP (DAB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 31459-1-AP (DAB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DAB1 antibody (31459-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).