

For Research Use Only

# DAB1 Polyclonal antibody, PBS Only

Catalog Number: 31459-1-PBS



## Basic Information

<b>Catalog Number:</b> 31459-1-PBS	<b>GenBank Accession Number:</b> NM_021080	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 1600	
<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

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat, pig

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

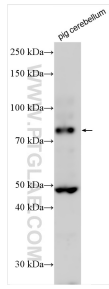
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

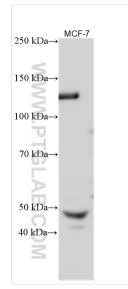
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

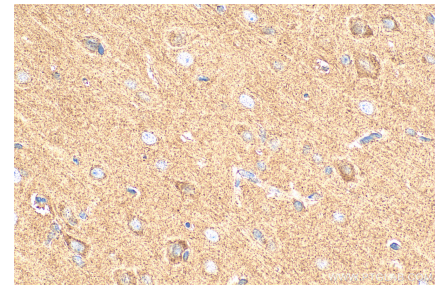
## Selected Validation Data



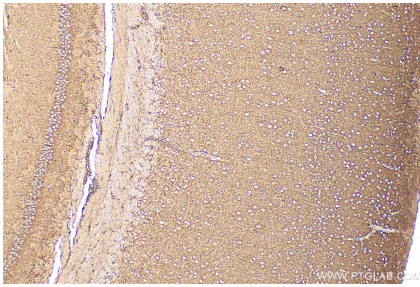
Various lysates were subjected to SDS PAGE followed by western blot with 31459-1-AP (DAB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



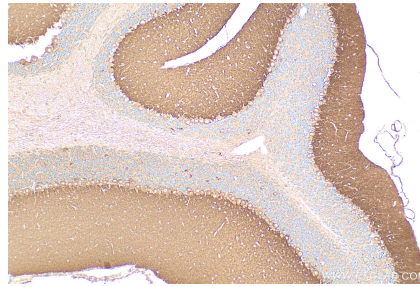
Various lysates were subjected to SDS PAGE followed by western blot with 31459-1-AP (DAB1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



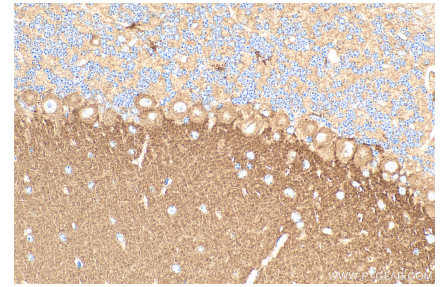
Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 31459-1-AP (DAB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



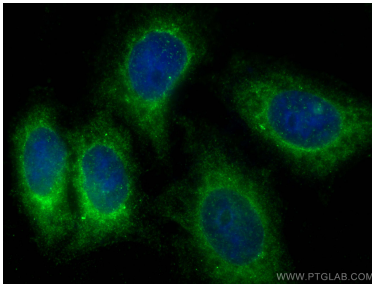
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 31459-1-AP (DAB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31459-1-AP (DAB1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 31459-1-AP (DAB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31459-1-PBS in a different storage buffer formulation.