

For Research Use Only

# TWSG1 Polyclonal antibody

Catalog Number: 12327-1-AP



## Basic Information

<b>Catalog Number:</b> 12327-1-AP	<b>GenBank Accession Number:</b> BC020490	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 260 µg/ml	<b>GeneID (NCBI):</b> 57045	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9GZX9	
<b>Isotype:</b> IgG	<b>Full Name:</b> twisted gastrulation homolog 1 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG2983	<b>Calculated MW:</b> 223 aa, 25 kDa	
	<b>Observed MW:</b> 33 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: mouse brain tissue, mouse cerebellum tissue

IHC: mouse brain tissue, human kidney tissue

## Background Information

Bone morphogenetic proteins (BMPs) are potent morphogens that are involved in cell fate determination, proliferation, apoptosis and adult tissue homeostasis. Twisted gastrulation (TWSG1) is a secreted BMP binding protein that modulates BMP ligand availability in the extracellular space. Several in vitro studies point toward an important role of TWSG1 in the regulation of the immune system (PMID: 21572028).

## 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:

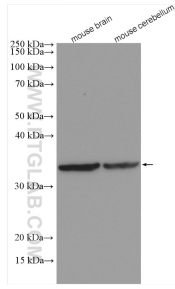
T: 4006900926

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

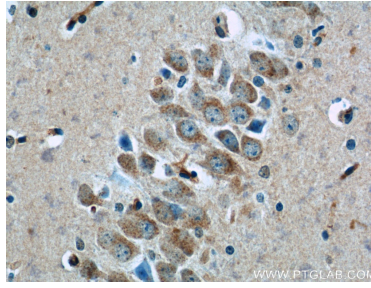
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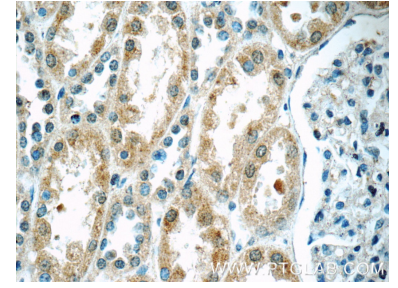
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12327-1-AP (TWSG1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 12327-1-AP (TWSG1 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12327-1-AP (TWSG1 Antibody) at dilution of 1:50 (under 40x lens).