

## Rabbit Anti-PASD5 antibody

SL11923R

**Product Name** PASD5

**Chinese Name** 神经元 PAS 结构域蛋白 5 抗体

**Alias** NPAS1; Basic-helix-loop-helix-PAS protein MOP5; bHLHe11; Member of PAS protein 5; MOP5; Neuronal PAS domain protein 1; Neuronal PAS1; NPAS1; NPAS1\_HUMAN.

**Research Area** Neurobiology transcriptional regulatory factor Epigenetics

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Rabbit, )

**Applications** WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 63kDa

**Cellular localization** The nucleus

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human PASD5/NPAS1: 21-120/590

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**PubMed** [PubMed](#)

The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. Studies of a related mouse gene suggest that it functions in neurons. The exact function of this gene is unclear, but it may play protective or modulatory roles during late embryogenesis and postnatal development. [provided by RefSeq, Jul 2008]

**Function:**

PASD5 is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. Studies of a related mouse gene suggest that it functions in neurons. The exact function of PASD5 is unclear, but it may play protective or modulatory roles during late embryogenesis and postnatal development.

**Subunit:**

Efficient DNA binding requires dimerization with another bHLH protein. Interacts with ARNT

**Subcellular Location:**

Nuclear

**Product  
Detail**

**Similarity:**

Contains 1 bHLH (basic helix-loop-helix) domain.  
Contains 1 PAC (PAS-associated C-terminal) domain.  
Contains 2 PAS (PER-ARNT-SIM) domains.

**SWISS:**

Q99742

**Gene ID:**

4861

**Database links:**

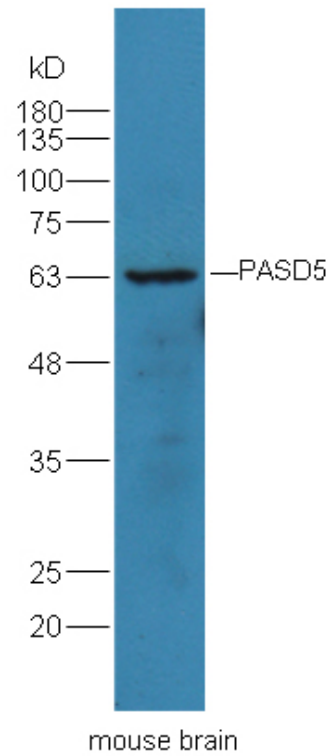
[Entrez Gene: 4861](#) Human

[Omim: 603346](#) Human

[SwissProt: Q99742](#) Human

[Unigene: 79564](#) Human

**Product  
Picture**



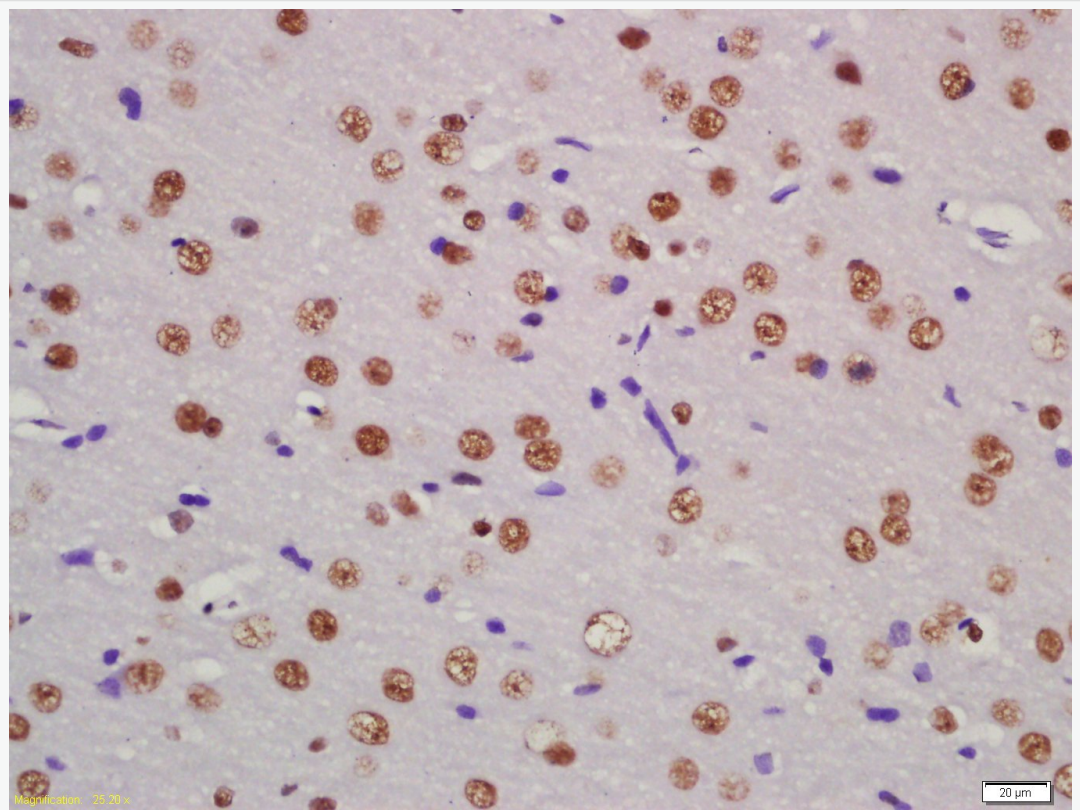
Sample: Brain (Mouse) Lysate at 40 ug

Primary: Anti-PASD5 (SL11923R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL0295G-HRP) at 1/5000 dilution

Predicted band size: 63 kD

Observed band size: 63 kD



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block  
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer  
(normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-PASD5 Polyclonal Antibody, Unconjugated(SL11923R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)  
and DAB(C-0010) staining