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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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	63kDa
Cellular localization:	The nucleus
Form:	Lyophilized or 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
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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

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:

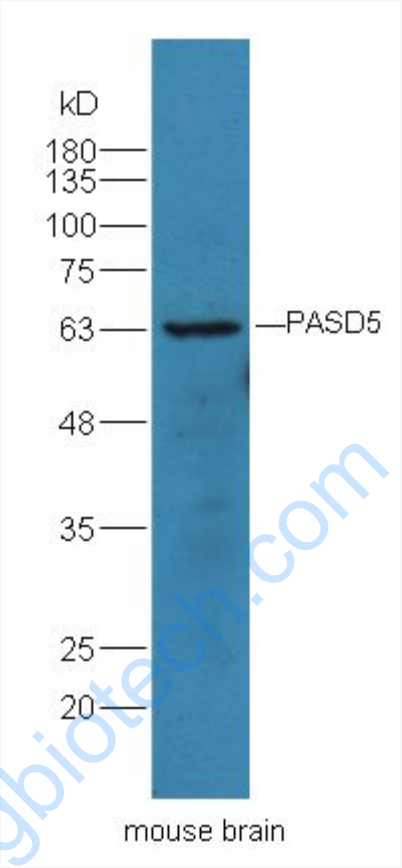
Entrez Gene: 4861 Human

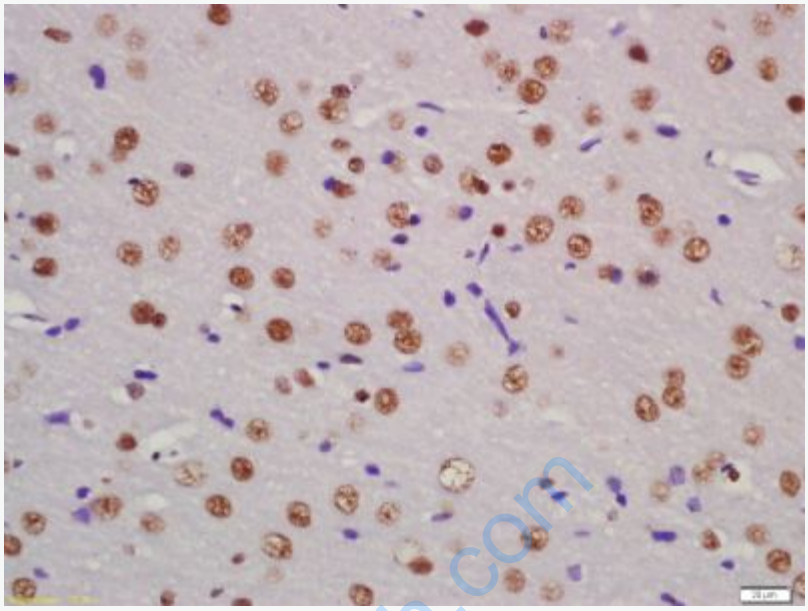
Omim: 603346 Human

SwissProt: Q99742 Human

Unigene: 79564 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:	 Sample: Brain (Mouse) Lysate at 40 ug Primary: Anti-PASD5 (SL11923R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL11923R) 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 (0.01M, 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℃ 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