

Product Name: Neuronal PAS1 Rabbit Polyclonal Antibody**Catalog #: APRab14616**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	62kDa

Antigen Information

Gene Name	NPAS1 NPAS1; BHLHE11; MOP5; PASD5; Neuronal PAS domain-containing protein 1; Neuronal
Alternative Names	PAS1; Basic-helix-loop-helix-PAS protein MOP5; Class E basic helix-loop-helix protein 11; bHLHe11; Member of PAS protein 5; PAS domain-containing protein 5
Gene ID	4861.0
SwissProt ID	Q99742
Immunogen	The antiserum was produced against synthesized peptide derived from human NPAS1. AA range:445-494

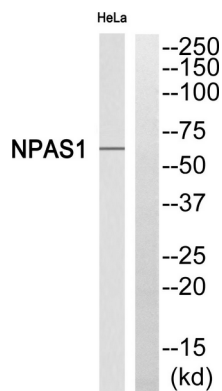
Background

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:May control regulatory pathways relevant to schizophrenia and to psychotic illness. May play a role in late central nervous system development by modulating EPO expression in response to cellular oxygen level.,similarity:Contains 1 basic helix-loop-helix (bHLH) domain.,similarity:Contains 1 PAC (PAS-associated C-terminal) domain.,similarity:Contains 2 PAS (PER-ARNT-SIM) domains.,subunit:Efficient DNA binding requires dimerization with another bHLH protein. Interacts with ARNT.,

Research Area

Epigenetics and Nuclear Signaling; Transcription; Domain Families; HLH / Leucine Zipper; HLH; Neuroscience; Neurology process; Neurogenesis; Transcription Factors

Image Data



Western blot analysis of NPAS1 Antibody. The lane on the right is blocked with the NPAS1 peptide.