Product Name: NPAS4 Rabbit Polyclonal Antibody
Catalog #: APRab14827

Summary

Production Name	NPAS4 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NPAS4
Alternative Names	NPAS4; BHLHE79; NXF; PASD10; Neuronal PAS domain-containing protein 4; Neuronal PAS4; Class E basic helix-loop-helix protein 79; bHLHe79; HLH-PAS transcription factor NXF; PAS domain-containing protein 10
Gene ID	266743.0
SwissProt ID	Q8IUM7.The antiserum was produced against synthesized peptide derived from human NPAS4. AA range:603-652

Application

Dilution Ratio	IHC 1:100-1:300 ELISA: 1:20000
Molecular Weight	

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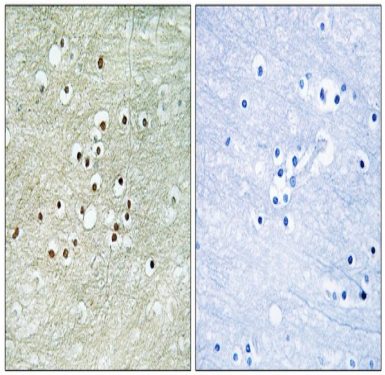
Background

NXF is a member of the basic helix-loop-helix-PER (MIM 602260)-ARNT (MIM 126110)-SIM (see SIM2; MIM 600892) (bHLH-PAS) class of transcriptional regulators, which are involved in a wide range of physiologic and developmental events (Ooe et al., 2004 [PubMed 14701734]).[supplied by OMIM, Mar 2008],function:Acts as a transcriptional activator in the presence of ARNT. Can activate the CME (CNS midline enhancer) element and the expression of the drebrin gene.,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. Forms a heterodimer with ARNT.,tissue specificity:Brain.,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using NPAS4 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.