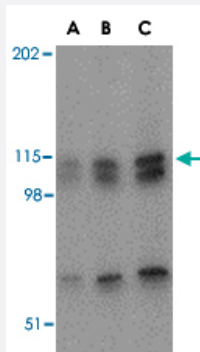


NPAS3 polyclonal antibody

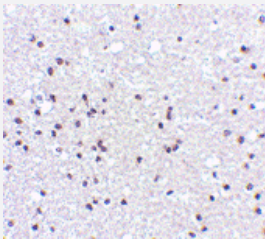
Catalog # PAB13262 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of NPAS3 in SK-N-SH cell lysate with NPAS3 polyclonal antibody (Cat # PAB13262) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of NPAS3 in human brain tissue with NPAS3 polyclonal antibody (Cat # PAB13262) at 5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NPAS3.
Immunogen	A synthetic peptide corresponding to N-terminus 28 amino acids of human NPAS3.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NPAS3 in SK-N-SH cell lysate with NPAS3 polyclonal antibody (Cat # PAB13262) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of NPAS3 in human brain tissue with NPAS3 polyclonal antibody (Cat # PAB13262) at 5 ug/mL .

Gene Info — NPAS3

Entrez GeneID	64067
Protein Accession#	Q8IXF0
Gene Name	NPAS3
Gene Alias	MOP6, PASD6, bHLHe12
Gene Description	neuronal PAS domain protein 3
Omim ID	609430
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the basic helix-loop-helix and PAS domain-containing family of transcription factors. The encoded protein is localized to the nucleus and may regulate genes involved in neurogenesis. Chromosomal abnormalities that affect the coding potential of this gene are associated with schizophrenia and mental retardation. Alternate splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	OTTHUMP00000178811 basic-helix-loop-helix-PAS protein

Publication Reference

- [Abnormal neurodevelopment, neurosignaling and behaviour in Npas3-deficient mice.](#)

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The European Journal of Neuroscience 2005 Sep; 22(6):1265.

- [Disruption of the neuronal PAS3 gene in a family affected with schizophrenia.](#)

Kamnasaran D, Muir WJ, Ferguson-Smith MA, Cox DW.
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- [Characterization of npas3, a novel basic helix-loop-helix PAS gene expressed in the developing mouse nervous system.](#)

Brunskill EW, Witte DP, Shreiner AB, Potter SS.
Mechanisms of Development 1999 Nov; 88(2):237.

Disease

- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
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