



Neuronal PAS1 Polyclonal Antibody

Catalog No	YP-Ab-01895
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	NPAS1
Immunogen	The antiserum was produced against synthesized peptide derived from human NPAS1. AA range:445-494
Specificity	Neuronal PAS1 Polyclonal Antibody detects endogenous levels of Neuronal PAS1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Neuronal PAS1;NPAS1;Neuronal PAS domain-containing protein 1;BHLHE11;MOP5;PASD5;Basic-helix-loop-helix-PAS protein MOP5;Class E basic helix-loop-helix protein 11;Member of PAS protein 5;PAS domain-containing protein 5
Observed Band	62kD
Calculated Molecular Weight	62kD
Cell Pathway	Nucleus .
Tissue Specificity	Brain,Fetal brain,Hepatoma,
Function	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.,



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],

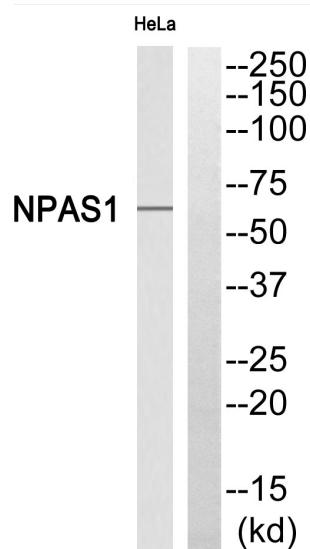
matters needing attention

Avoid repeated freezing and thawing!

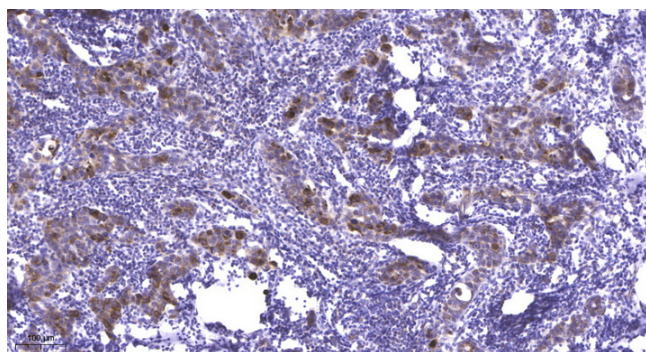
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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



Immunohistochemical analysis of paraffin-embedded human Breast cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).