

ARG23715 anti-NPAS4 antibody [S408-79]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [S408-79] recognizes NPAS4
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	S408-79
Isotype	IgG1
Target Name	NPAS4
Species	Rat
Immunogen	Fusion protein amino acids 597-802 (C-terminus) of Rat NPAS4.
Conjugation	Un-conjugated
Alternate Names	PASD10; Neuronal PAS domain-containing protein 4; Class E basic helix-loop-helix protein 79; PAS domain-containing protein 10; HLH-PAS transcription factor NXF; NXF; Le-PAS; bHLHe79; Neuronal PAS4

Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 90 kDa	

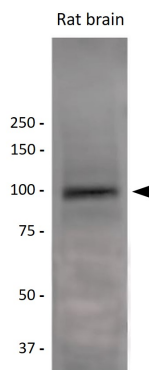
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.1% Sodium azide and 50% Glycerol.
Preservative	0.1% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NPAS4
Gene Full Name	neuronal PAS domain protein 4
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. [UniProt]
Calculated Mw	87 kDa
PTM	Ubiquitinated, leading to degradation by the proteasome. [UniProt]
Cellular Localization	Nucleus [UniProt]

Images



ARG23715 anti-NPAS4 antibody [S408-79] WB image

Western blot: 20 µg of Rat brain lysate stained with ARG23715 anti-NPAS4 antibody [S408-79] at 1:1000 for 16 hours at 4°C.