

Product Datasheet

Npas4 Antibody (S408-79) - BSA Free NBP2-59332

Unit Size: 100 ug

Store at -20C.

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NBP2-59332

Npas4 Antibody (S408-79) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20C.
Clonality	Monoclonal
Clone	S408-79
Preservative	0.1% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol

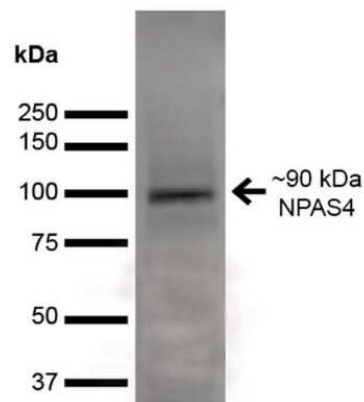
Product Description	
Host	Mouse
Gene ID	266743
Gene Symbol	NPAS4
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	Detects 90kDa.
Immunogen	Fusion protein amino acids 597-802 (C-terminus) of rat Npas4.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Frozen
Application Notes	Use in Immunohistochemistry-Frozen was reported in scientific literature (PMID: 31041873).

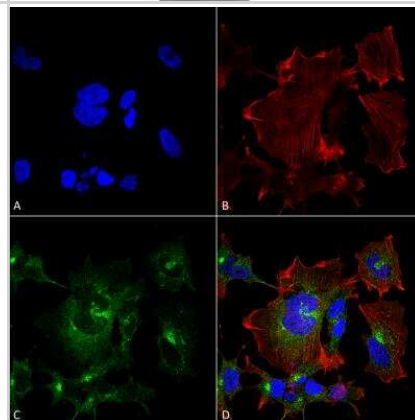


Images

Western Blot: Npas4 Antibody (S408-79) [NBP2-59332] - Western Blot analysis of Rat Brain showing detection of ~90 kDa Npas4 protein using Mouse Anti-Npas4 Monoclonal Antibody, Clone S408-79 (NBP2-59332). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 20 ug. Block: 2% GE Healthcare Blocker for 1 hour at RT. Primary Antibody: Mouse Anti-Npas4 Monoclonal Antibody (NBP2-59332) at 1:1000 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:200 for 1 hour at RT. Color Development: ECL solution for 6 min at RT. Predicted/Observed Size: ~90 kDa. Other Band(s): ~60, 45, 40, 38, 25, 20 kDa.



Immunocytochemistry/Immunofluorescence: Npas4 Antibody (S408-79) [NBP2-59332] - Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-NPAS4 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cytoplasm. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) NPAS4 Antibody (D) Composite.



Publications

Alharbi M Preoperative anxiety-induced glucocorticoid signaling reduces GABAergic markers in spinal cord and promotes postoperative hyperalgesia by affecting neuronal PAS domain protein 4 Mol Pain 2019-05-02 [PMID: 31041873] (WB, IHC-Fr, Rat)



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Products Related to NBP2-59332

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00266743-Q01-10ug	Recombinant Human Npas4 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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