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- Trockeneiszuschlag
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- Expressversand

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Anti-NPAS4 Antibody [S408-79]

Mouse Anti-Rat NPAS4 Monoclonal IgG1
Catalog No. SMC-495



Discovery through partnership | Excellence through quality

Overview

Product Name

NPAS4 Antibody

Description

Mouse Anti-Rat NPAS4 Monoclonal IgG1

Species Reactivity

Mouse, Rat

Applications

WB, IHC, ICC/IF

Antibody Dilution

WB (1:1000); optimal dilutions for assays should be determined by the user.

Host Species

Mouse

Immunogen Species

Rat

Immunogen

Fusion protein amino acids 597-802 (C-terminus) of rat Npas4.

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH7.4, 50% glycerol, 0.1% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein G Purified

Clonality

Monoclonal

Clone Number

S408-79

Isotype

IgG1

Specificity

Detects ~90kDa.

Cite This Product

Mouse Anti-Rat NPAS4 Monoclonal, Clone S408-79 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SMC-495)

Certificate Of Analysis

A 1:100 dilution of SMC-495 was sufficient for detection of NPAS4 in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

Neuronal PAS domain-containing protein 4 Antibody, Neuronal PAS4 Antibody, Class E basic helix-loop-helix protein 79 Antibody, HLH-PAS transcription factor NXF Antibody, PAS domain-containing protein 10 Antibody, Limbic-enhanced PAS protein Antibody, bHLHe79 Antibody, PASD10 Antibody and LE-PAS Antibody

Research Areas

Cell Signaling, Epigenetics, Neuroscience

Cellular Localization

Nucleus

Accession Number

NP_705890.1

Gene ID

266734

Swiss Prot

Q8CJH6

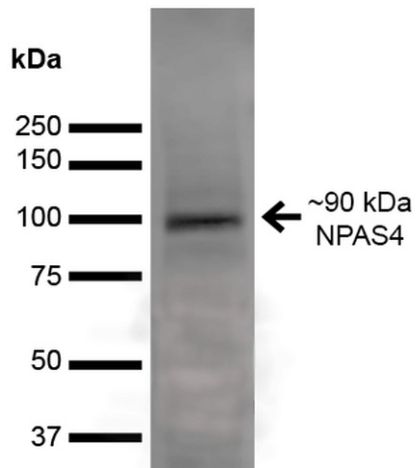
Scientific Background

NPAS4 belongs to the Per-Arnt-Sim family of neuronal specific transcription factors, all involved in the development and maintenance of learning and memory pathways (1). NPAS4 is a transcription factor that regulates the formation and maintenance of inhibitory synapses, and can activate the CNS midline enhancer element and the expression of the drebrin gene. Deregulation has been to be associated with developmental disorders such as schizophrenia and autism (2).

References

1. Zhaohui Z., et al. (2014) Exp Ther Med. 7(4): 1045-1049.
 2. Coutellier L., et al. (2012) Plos One. 7(9): e46604.
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Product Images



Western Blot analysis of Rat Brain showing detection of ~90 kDa NPAS4 protein using Mouse Anti-NPAS4 Monoclonal Antibody, Clone S408-79 (SMC-495). Lane 1: MW Ladder. Lane 2: Rat Brain. Load: 20 μ g. Block: 2% GE Healthcare Blocker for 1 hour at RT. Primary Antibody: Mouse Anti-NPAS4 Monoclonal Antibody (SMC-495) at 1:1000 for 16 hours at 4°C. 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.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.