

NPAS4 polyclonal antibody

Catalog: BS61225

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The Per-Arnt-Sim (PAS) domain is a 270 amino acid motif that mediates associations among various PAS family transcription factors. The PAS family contains neuronal specific transcription factors known as NPAS1, NPAS2, NPAS3 and NPAS4, which are involved in the development and maintenance of learning and memory pathways. NPAS1 regulates erythropoietin expression in developing brain. NPAS2, also designated PAS 4/MOP4, associates with MOP3 to activate transcription. NPAS3, which localizes to the nucleus and is ubiquitously expressed in the adult brain, may be involved in neurogenesis and has been implied to control regulatory pathways relevant to psychotic illness and schizophrenia. NPAS4 (neuronal PAS domain protein 4), also known as NXF, Le-PAS, PASD10 or bHLHe79, is a 802 amino acid nuclear protein that is exclusively expressed in the brain. NPAS4 acts as a transcriptional activator in the presence of Arnt 1, and activates the CME (CNS midline enhancer) element and expression of the Drebrin gene.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 87 kDa

Swiss-Prot:

Q8IUM7

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

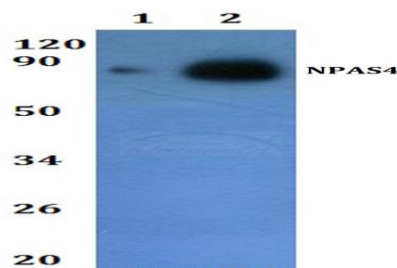
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

NPAS4 polyclonal antibody detects endogenous levels of NPAS4 protein.

DATA:



Western blot (WB) analysis of NPAS4 polyclonal antibody at 1:500 dilution Lane1:HEK293T whole cell lysate

Lane2:RAW264.7 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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