

NPAS1 polyclonal antibody

Catalog: BS5820

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Members of the bHLH-PAS family are transcription factors that contain a basic helix-loop-helix (bHLH) DNA-recognition motif which is located N-terminal to a PAS domain comprised of two imperfect direct repeats. Human NPAS1 is a deduced 590-amino acid protein which shares 86% sequence homology with mouse Npas1. In order for NPAS1 to bind DNA efficiently, it must form a dimer with another bHLH protein. NPAS1 interacts with ARNT (aryl hydrocarbon receptor nuclear translocator), and shows predominant expression in brain tissue. NPAS1 is also implicated in the control of regulatory pathways relevant to schizophrenia and to psychotic illness, and may play a role in late central nervous system development by modulating EPO expression in response to cellular oxygen levels.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 63 kDa

Swiss-Prot:

Q99742

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

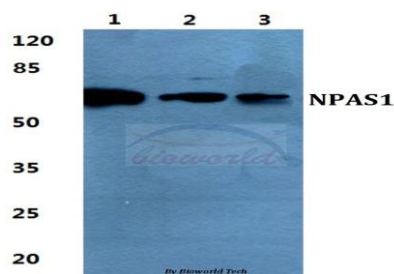
Storage&Stability:

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

Specificity:

NPAS1 polyclonal antibody detects endogenous levels of NPAS1 protein.

DATA:



Western blot (WB) analysis of NPAS1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate

Lane2:Raw264.7 cell lysate

Lane3:Rat kidney tissue lysate

Note:

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

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