

## Anti-NPAS2(Neural PAS domain protein 2) Polyclonal Antibody

Cat. #: 60B171

### Description:

NPAS2(Neural PAS domain protein 2) is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. A similar mouse protein may play a regulatory role in the acquisition of specific types of memory. NPAS2 also may function as a part of a molecular clock operative in the mammalian forebrain. NPAS2 is localized in nucleus, the efficient DNA binding requires dimerization with another BHLH protein. NPAS2 interacts with HSP90. It contains 1 basic helix-loop-helix (bHLH) domain, 1 PAC (PAS-associated C-terminal) domain and 2 PAS (PER-ARNT-SIM) domains.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human NPAS2(Neural PAS domain protein 2)

### References

- Zhou,Y.D., et al, Proc. Natl. Acad. Sci. U.S.A. 94 (2), 713-718 (1997)  
Hogenesch,J.B., et al, J. Biol. Chem. 272 (13), 8581-8593 (1997)  
Johansson,C., et al, Neuropsychopharmacology 28 (4), 734-739 (2003)  
Reick,M., et al, Science 293 (5529), 506-509 (2001)  
Garcia,J.A., et al, Science 288 (5474), 2226-2230 (2000)

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)