

Recombinant Human NPAS2 cell lysate

Cat. No. NPAS2-1208HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene 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. It also may function as a part of a molecular clock operative in the mammalian forebrain.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	NPAS2 neuronal PAS domain protein 2 [Homo sapiens]
Official Symbol	NPAS2
Synonyms	NPAS2; neuronal PAS domain protein 2; neuronal PAS domain-containing protein 2; bHLHe9; MOP4; PASD4; neuronal PAS2; member of PAS protein 4; member of PAS superfamily 4; PAS domain-containing protein 4; basic-helix-loop-helix-PAS protein MOP4; class E basic helix-loop-helix protein 9; FLJ23138; MGC71151;

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Gene ID	4862
mRNA Refseq	NM_002518
Protein Refseq	NP_002509
MIM	603347
UniProt ID	Q99743
Chromosome Location	2q11.2
Pathway	BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Circadian rhythm - mammal, organism-specific biosystem; Circadian rhythm - mammal, conserved biosystem; Circadian rhythm pathway, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem;
Function	DNA binding; Hsp90 protein binding; sequence-specific DNA binding transcription factor activity; signal transducer activity;