

## Goat anti-NPAS4 Antibody

Item Number	dAP-2289
Target Molecule	Principle Name: NPAS4; Official Symbol: NPAS4; All Names and Symbols: NPAS4; neuronal PAS domain protein 4; Le-PAS; NXF; PASD10; bHLHe79; HLH-PAS transcription factor NXF; PAS domain-containing protein 10; class E basic helix-loop-helix protein 79; neuronal PAS domain-containing protein 4; neuronal PAS4; Accession Number (s): NP_849195.2; Human Gene ID(s): 266743; Non-Human GenelD(s): 225872 (mouse) 266734 (rat)
Immunogen	CRFNTSKSLRRQS, is from internal region
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	Western Blot: Approx 90kDa band observed in Human Brain (Frontal Cortex) lysates and in Mouse and Rat Brain lysates (calculated MW of 87.1kDa according to NP_849195.2). Recommended concentration: 0.3-1µg/ml.
IHC	
Reference	Reference(s): Ooe N, Saito K, Mikami N, Nakatuka I, Kaneko H, Identification of a novel basic helix-loop-helix-PAS factor, NXF, reveals a Sim2 competitive, positive regulatory role in dendritic-cytoskeleton modulator drebrin gene expression. Molecular and cellular biology 2004 Jan 24 (2): 608-16..PMID: 14701734->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**