

Goat anti-Neurogranin precursor Antibody

Item Number	dAP-1941
Target Molecule	Principle Name: Neurogranin precursor; Official Symbol: NRGN; All Names and Symbols: NRGN; neurogranin (protein kinase C substrate, RC3); RC3; hng; calmodulin-binding protein; neurogranin; protein kinase C substrate; Accession Number (s): NP_006167.1; Human Gene ID(s): 4900; Non-Human GeneID (s): 647011 (mouse)
Immunogen	KIKSGERGRKG, is from internal region Reported variants represent identical protein: NP_006167.1, NP_001119653.1
Applications	Pep ELISA, WB, IHC Species Tested: Human
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 8000.
Western Blot	Western Blot: Approx 16kDa band observed in Human Brain (Frontal Cortex) lysate (calculated MW of 7.6kDa according to NP_006167.1). The observed molecular weights correspond to earlier findings in literature with different antibodies (Li et al, J Biol Ch
IHC	Immunohistochemistry: Paraffin embedded Human Brain (Cortex). Recommended concentration: 5µg/ml.
Reference	Reference(s): Ruano D, Aulchenko YS, Macedo A, Soares MJ, Valente J, Azevedo MH, Hutz MH, Gama CS, Lobato MI, Belmonte-de-Abreu P, Goodman AB, Pato C, Heutink P, Palha JA. Association of the gene encoding neurogranin with schizophrenia in males. Journal of psychiatric research 2008 Jan 42 (2): 125-

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**