

## Goat anti-Neurogranin precursor, Biotinylated Antibody

<b>Item Number</b>	dAP-3440
<b>Target Molecule</b>	Principle Name: Neurogranin precursor, Biotinylated; Official Symbol: NRGN; All Names and Symbols: NRGN; neurogranin; RC3; hng; calmodulin-binding protein; neurogranin (protein kinase C substrate, RC3); ng; protein kinase C substrate; Accession Number (s): NP_006167.1; Human Gene ID(s): 4900; Non-Human GeneID(s):
<b>Immunogen</b>	CKIKSGERGRKG., is from internal region Reported variants represent identical protein: NP_006167.1, NP_001119653.1
<b>Applications</b>	Pep ELISA, WB,  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	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
<b>IHC</b>	
<b>Reference</b>	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**