

Goat anti-GPR3 Antibody

Item Number	dAP-1163
Target Molecule	Principle Name: GPR3; Official Symbol: GPR3; All Names and Symbols: GPR3; G protein-coupled receptor 3 ; ACCA; OTTHUMP00000043209; adenylate cyclase constitutive activator; Accession Number (s): NP_005272.1; Human Gene ID(s): 2827; Non-Human GeneID(s): 14748 (mouse) 266769 (rat)
Immunogen	LQRHLLPASH, is from internal region This antibody is not expected to cross-react with GPR6 and GPR12.
Applications	Pep ELISA, WB 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 32000.
Western Blot	Western Blot: Approx 35kDa band observed in Human Brain (Hippocampus and Frontal Cortex) lysates (calculated MW of 35.0kDa according to NP_005272.1). Recommended concentration: 0.3-1µg/ml. An additional band of unknown identity was also consistently obs
IHC	
Reference	Reference(s): Tanaka S, Ishii K, Kasai K, Yoon SO, Saeki Y. Neural expression of G protein-coupled receptors GPR3, GPR6, and GPR12 up-regulates cyclic AMP levels and promotes neurite outgrowth. J Biol Chem. 2007 Apr;282(14):10506-15. Epub 2007 Feb 6..PMID: 17284443 ->

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**