

## Goat anti-GPR3 Antibody

<b>Item Number</b>	dAP-1163
<b>Target Molecule</b>	Principle Name: GPR3; Official Symbol: GPR3; All Names and Symbols: GPR3; G protein-coupled receptor 3 ; ACCA; OTTHUHMP00000043209; adenylate cyclase constitutive activator; Accession Number (s): NP_005272.1; Human Gene ID(s): 2827; Non-Human GeneID(s): 14748 (mouse) 266769 (rat)
<b>Immunogen</b>	LQRHLLPASH, is from internal region This antibody is not expected to cross-react with GPR6 and GPR12.
<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 32000.
<b>Western Blot</b>	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 observed.
<b>IHC</b>	
<b>Reference</b>	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. <i>J Biol Chem.</i> 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 end users! This product is sold for **Research Use Only**