

Goat anti-Orexin Receptor 2 Antibody

Item Number	dAP-1217
Target Molecule	Principle Name: Orexin Receptor 2; Official Symbol: HCRTR2 ; All Names and Symbols: OT-THUMP00000039969; hypocretin (orexin) receptor 2; HCRTR2; OX2R; hypocretin receptor-2; orexin receptor 2; Accession Number (s): NP_001517.1; Human Gene ID(s): 3062; Non-Human GeneID(s): 25605 (rat)
Immunogen	SGTKLEDSPPCRN, is from N Terminus
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 128000.
Western Blot	Western Blot: Approx 50kDa band observed in Human Brain (Hippocampus) lysates (calculated MW of 50.7kDa according to NP_001517.1). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Spinazzi R, Rucinski M, Neri G, Malendowicz LK, Nussdorfer GG. Preproorexin and orexin receptors are expressed in cortisol-secreting adrenocortical adenomas, and orexins stimulate in vitro cortisol secretion and growth of tumor cells. J Clin Endocrinol Metab. 2005 Jun;90(6):3544-9. Epub 2005 Mar

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**