Goat anti-OX1R and OX2R Antibody

Item Number	dAP-1450
Target Molecule	Principle Name: OX1R and OX2R; Official Symbol: HCRTR1; All Names and Symbols: OX1R; OX2R; HCRTR1; hypocretin (orexin) receptor 1; hypocretin receptor 1; hypocretin receptor-1; orexin receptor 1; orexin receptor-1; HCRTR2; hypocretin (orexin) receptor 2; hypocretin receptor 2; hypocretin receptor-2; orexin receptor 2; orexin recepto; Accession Number (s): NP_001516.2; NP_001517.2; Human Gene ID(s): 3061; 3062; Non-Human GeneID(s): 230777 (mouse) 25593 (rat)
Immunogen	YNFLSGKFREQFK, is from internal region This antibody is expected to recognise both the human proteins OX1R and OX2R.
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat
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; Reconsititute 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 48kDa band observed in Human Brain (Frontal Cortex), Mouse Brain and Rat Brain lysates (calculated MW of 47.5kDa according to NP_001516.1 and NP_001517.1). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.
IHC	
Reference	Reference(s): Fukunaka Y, Shinkai T, Hwang R, Hori H, Utsunomiya K, Sakata S, Naoe Y, Shimizu K, Matsumoto C, Ohmori O, Nakamura J The orexin 1 receptor (HCRTR1) gene as a susceptibility gene contributing to polydipsia-hyponatremia in schizophrenia Neuromolecular Med. 2007;9(4):292-7.PMID:

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