



## Goat anti-Orexin receptor 1 Antibody

<b>Item Number</b>	dAP-0709
<b>Target Molecule</b>	Principle Name: Orexin receptor 1; Official Symbol: HCRTR1; All Names and Symbols: HCRTR1; OX1R; hypocretin (orexin) receptor 1; orexin receptor; orexin receptor 1; orexin receptor-1; hypocretin receptor 1; hypocretin receptor-1; Accession Number (s): NP_001516.1; Human Gene ID(s): 3061; Non-Human Gene-ID(s):
<b>Immunogen</b>	RNWKRPDQLGD, is from internal region
<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 8000.
<b>Western Blot</b>	Western Blot: Approx 48+35kDa band observed in Human Brain lysates (calculated MW of 47.5kDa according to NP_001516.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Silveyra et al, Am J Physiol En
<b>IHC</b>	
<b>Reference</b>	Reference(s): Petersen A, Gil J, Maat-Schieman ML, Bjorkqvist M, Tanila H, Araujo IM, Smith R, Popovic N, Wierup N, Norlen P, Li JY, Roos RA, Sundler F, Mulder H, Brundin P. Orexin loss in Huntington's disease. Hum Mol Genet. 2005 Jan 1;14(1):39-47. Epub 2004 Nov 03. .PMID: 15525658 ->

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**