



Goat anti-Arrestin beta 2 Antibody

Item Number	dAP-0640
Target Molecule	Principle Name: Arrestin beta 2; Official Symbol: ARRB2; All Names and Symbols: ARRB2; arrestin, beta 2; HGNC:712; ARB2; ARR2; DKFZp686L0365; arrestin beta 2; beta-arrestin 2; BARR2; arrestin 3; Accession Number (s): NP_004304.1; NP_945355.1; NP_001244257.1; NP_001244259.1; NP_001244260.1; Human Gene ID(s): 409; Non-Human GeneID(s): 216869 (mouse) 25388 (rat)
Immunogen	HDHIPLPRPQS, is from internal region This antibody is expected to recognise both reported isoforms 1, 2, 3, 5 and 6 (NP_004304.1; NP_945355.1; NP_001244257.1; NP_001244259.1; NP_001244260.1). No crossreactivity is expected with
Applications	Pep ELISA, WB, IHC 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; 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 40kDa band observed in Human Brain lysates (calculated MW of 46.1kDa according to NP_004304.1 and 44.4 according to NP_945355.1). Recommended concentration: 0.3-1µg/ml. A customer found positive results in WB on Rat aortic smooth mu
IHC	Immunohistochemistry: In paraffin embedded Human Cerebellum shows mainly nuclear staining of purkinje cells and neuronal cells in the Molecular Layer. Recommended concentration: 4-6µg/ml.
Reference	Reference(s): Lefkowitz RJ, Shenoy SK. Transduction of receptor signals by beta-arrestins. Science. 2005 Apr 22;308(5721):512-7. Review. PMID: 15845844 ->

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**