



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, United Kingdom

everestbiotech.com

sales@everestbiotech.com

support@everestbiotech.com

Tel +44 1869 238326

Fax +44 1869 238327

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06745-T - Goat Anti-Arrestin beta 2 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: BARR2, beta-arrestin 2, arrestin beta 2, DKFZp686L0365, ARR2, ARB2, HGNC:712, ARRB2, arrestin, beta 2

Official Symbol: ARRB2

Accession Number(s): NP_004304.1; NP_945355.1

Human GeneID(s): [409](#)

Important Comments: This antibody is expected to recognise both reported isoforms NP_004304.1 and NP_945355.1. No crossreactivity is expected with Arrestin beta 1.

Immunogen

Peptide with sequence C-HDHIPLRPQS, from the internal region of the protein sequence according to NP_004304.1; NP_945355.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

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.

IHC: In paraffin embedded Human Cerebellum shows mainly nuclear staining of purkinje cells and neuronal cells in the Molecular Layer. Recommended concentration, 4-6µg/ml.

Immunoprecipitation: This antibody has been successfully used in IP from rat leukocytes as described in the following paper: Zakrzewicz et al, Immunobiology. 2011 Jul;216(7):854-61; PMID: 21193245.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody has been successfully used in the following papers:

Napolitano F, Pasqualetti M, Usiello A, Santini E, Pacini G, Sciamanna G, Errico F, Tassone A, Di Dato V, Martella G, Cuomo D, Fisone G, Bernardi G, Mandolesi G, Mercuri NB, Standaert DG, Pisani A.

Dopamine D2 receptor dysfunction is rescued by adenosine A2A receptor antagonism in a model of DYT1 dystonia.

Neurobiol Dis. 2010 Jun;38(3):434-45.

PMID: 20227500

Zakrzewicz A, Krasteva G, Wilhelm J, Dietrich H, Wilker S, Padberg W, Wygrecka M, Grau V.

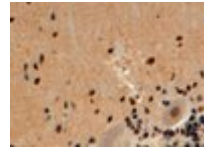
Reduced expression of arrestin beta 2 by graft monocytes during acute rejection of rat kidneys.

Immunobiology. 2011 Jul;216(7):854-61.

PMID: 21193245



EB06745 (0.3 μ g/ml) staining of Human Brain lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB06745 (4 μ g/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.