

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre

77 Heyford Park Upper Heyford Oxfordshire OX25 5HD

UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326 Fax: +44 (0)1869 238327

US Office

Everest Biotech c/o Abcore

405 Maple Street, Suite A106 Ramona,

CA 92065

USA

Inquiries:

info@everestbiotech.com

Sales:

 $\underline{usasales@everest biotech.com}$

Tech support:

support@everestbiotech.com

Tel: 888-320-4628 (toll-free)

Fax: 888-841-9041

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB06745-B - Goat Anti-Arrestin beta 2, Biotinylated Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ARRB2, arrestin, beta 2, ARB2, ARR2, BARR2, arrestin 3, arrestin

beta-2, arrestin beta 2, beta-arrestin 2, DKFZp686L0365, HGNC:712

Official Symbol: ARRB2

Accession Number(s): NP_004304.1; NP_945355.1; NP_001244257.1;

NP_001244259.1; NP_001244260.1

Human GeneID(s): 409

Non-Human GeneID(s): 216869 (mouse), 25388 (rat)

Important Comments: 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 Arrestin beta 1.

Immunogen

Peptide with sequence C-HDHIPLPRPQS., from the internal region of the protein sequence according to NP_004304.1; NP_945355.1; NP_001244257.1;

NP_001244259.1; NP_001244260.1.

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 1:128000.

Western blot: Approx 45kDa band observed in Human Spleen lysates (calculated MW of 46.1kDa according to NP_004304.1). See non-biotinylated parental product's datasheet for further QC data. Please note that the batch that produced this biotinylated product is different from the batch currently on sale. Recommended concentration: 1-3µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

Biotinylated EB06745 (1μg/ml) staining of Human Spleen lysate (35μg protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.