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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06745 - Goat Anti-Arrestin beta 2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: arrestin, beta 2, ARRB2, HGNC:712, ARB2, ARR2, DKFZp686L0365, arrestin beta 2, beta-arrestin 2, BARR2, arrestin 3, arrestin beta-2

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 Peripheral Blood mononuclear cell and Spleen lysates (calculated MW of 46.1kDa according to NP_NP_004304.1 and of 44.4kDa according to NP_945355.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat

Specific References

This antibody has been successfully used in Western blot in Mouse:

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

This antibody has been successfully used in IP in Rat:

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 (0.1µg/ml) staining of Human spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06745 (4µg/ml) staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining. **This data is from a previous batch, not on sale.**