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Certificate of Analysis and Data Sheet

Goat Anti-Arrestin, beta 2 With HRP-conjugated Secondary Antibody

Catalog No.

ER-14-0185

Accession Number

NP_004304.1; NP_945355.1

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.

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: 0.3-1 µg/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

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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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.

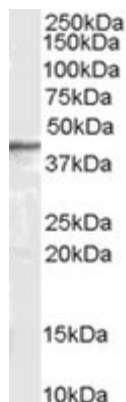
Immunobiology. 2011 Jul;216(7):854-61.

PMID: 21193245

Secondary Antibody Applications

Immunoassay (ELISA, Western blotting): 1:5,000-1:10,000

Image



ER-14-0185 (0.3µg/ml) staining of Human Brain lysate (35µg protein in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

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