

Goat Arrestin beta 2 Antibody | anti-ARRB2 antibody

Goat anti-Arrestin beta 2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA13649	Goat	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat	ELISA, Western Blot

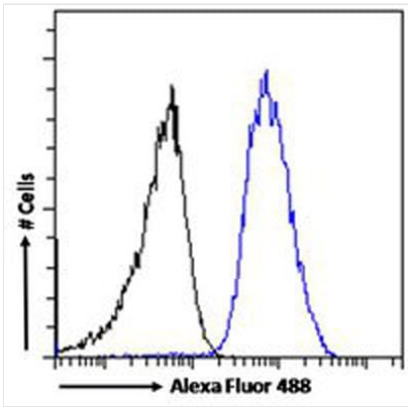
PRODUCT SYNONYMS

Arrestin beta 2; Goat anti-Arrestin beta 2 Antibody; arrestin; beta 2; ARRB2; HGNC:712; ARB2; ARR2; DKFZp686L0365; arrestin beta 2; beta-arrestin 2; BARR2; arrestin 3; arrestin beta-2; anti-ARRB2 antibody

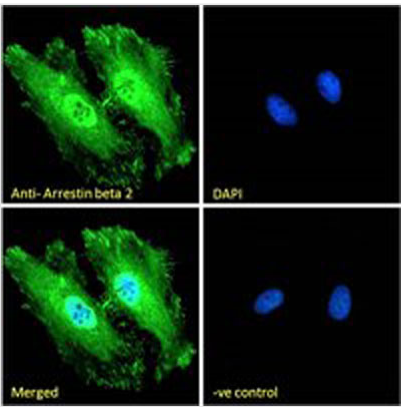
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Tested: Human; Expected from sequence similarity: Human, Mouse, Rat
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Applicable Applications for anti-ARRB2 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Application Notes	Peptide ELISA: antibody detection limit dilution 1:64000. Western blot: Approx 45kDa band observed in lysates of cell lines A549 and U251 and in preliminary testing of KNRK cell lysate (calculated MW of 46.1kDa according to NP_004304.1 and 44.4kDa according to NP_945355.1) Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature. Immunofluorescence: Strong expression of the protein seen in HeLa cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.
Important Comments	This antibody is expected to recognize 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-HDHIPLRPQS, 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; NP_001316993.1 Please note the <u>peptide</u> is available for sale.
Preparation and Storage	Aliquot and store at -20°C. Minimize freezing and thawing.

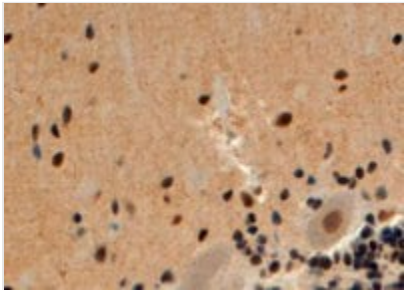
IMAGES



FCM (Flow Cytometry)
AAA13649 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



IF (Immunofluorescence)
AAA13649 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane, cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



IHC (Immunohistochemistry)
4ug/ml staining of paraffin embedded Human Cerebellum. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757780
NCBI GeneID	409
NCBI Accession #	NP_004304.1; NP_945355.1
NCBI GenBank Nucleotide #	NM_004313.3
NCBI Official Full Name	beta-arrestin-2 isoform 1
NCBI Official Synonym Full Names	arrestin beta 2
NCBI Official Symbol	ARRB2
NCBI Official Synonym Symbols	ARB2; ARR2; BARR2
NCBI Protein Information	beta-arrestin-2
UniProt Protein Name	Beta-arrestin-2
UniProt Gene Name	ARRB2
UniProt Synonym Gene Names	ARB2; ARR2
UniProt Entry Name	ARRB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/goat-arb2-human-mouse-rat-antibody/arrestin-beta-2/13649>