

Rabbit anti-Human Beta-Arrestin 2 Polyclonal Antibody | anti-ARRB2 antibody

Rabbit anti-Beta-Arrestin 2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212285	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

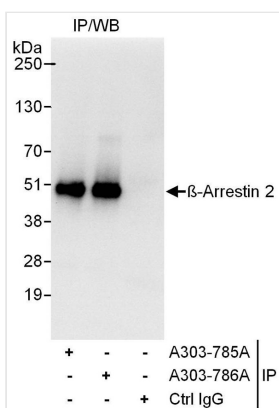
PRODUCT SYNONYMS

Beta-Arrestin 2; Polyclonal Antibody; Rabbit anti-Beta-Arrestin 2 Antibody; Affinity Purified; ARB2; non-visual arrestin-3; beta-arrestin-2; BARR2; Arrestin beta-2; ARR2; arrestin 3; Beta-arrestin-2; arrestin beta 2; anti-ARRB2 antibody

PRODUCT SPECIFICATIONS

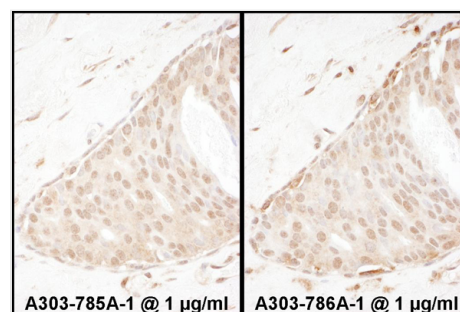
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ARRB2 antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Predicted Reactivity	Orangutan
Immunogen	Between 359 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



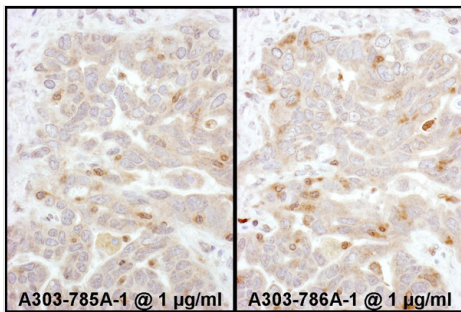
IP (Immunoprecipitation)

Detection of human Beta-Arrestin 2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HEK293T cells. Antibodies: Affinity purified rabbit anti-Beta-Arrestin 2 antibody AAA212285 used for IP at 6 ug/mg lysate. Beta-Arrestin 2 was also immunoprecipitated by rabbit anti-Beta-Arrestin 2 antibody which recognizes a downstream epitope. For blotting Beta-Arrestin 2, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.



IHC (Immunohistochemistry)

Detection of human Beta-Arrestin 2 by immunohistochemistry. Samples: FFPE sections of human breast carcinoma. Antibody: Affinity purified rabbit anti-Beta-Arrestin 2 Cat. No. AAA212285 Lot1 used at a dilution of 1:1,000 (1ug/ml) (left) and Cat. No. Lot1 used at a dilution of 1:1,000 (1ug/ml) (right). Detection: DAB



IHC (Immunohistochemistry)

Detection of human Beta-Arrestin 2 by immunohistochemistry. Samples: FFPE sections of human ovarian carcinoma. Antibody: Affinity purified rabbit anti-Beta-Arrestin 2 Cat. No. AAA212285 Lot1 used at a dilution of 1:1,000 (1µg/ml) (left) and Cat. No. Lot1 used at a dilution of 1:1,000 (1µg/ml) (right). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-ARRB2 antibody	Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Beta-arrestin 2, like beta-arrestin 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for beta-arrestin 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. [taken from NCBI Entrez Gene (Gene ID: 409)].
Product Categories/Family for anti-ARRB2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	39812055
NCBI GeneID	409
NCBI Accession #	NP_945355.1
NCBI GenBank Nucleotide #	NM_199004.1
UniProt Accession #	P32121 ; Q0Z8D3 ; Q2PP19 ; Q6ICT3 ; Q8N7Y2 ; Q9UEQ6 ; B4DLW0 ; B5B0C0 ; B7WPL3 ; D3DTK2 ; H0Y688
Molecular Weight	46,106 Da
NCBI Official Full Name	beta-arrestin-2 isoform 2
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; arrestin 3; arrestin beta-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.