

Rabbit anti-Human, Mouse ARRB1 Polyclonal Antibody | anti-ARRB1 antibody

ARRB1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA36980	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

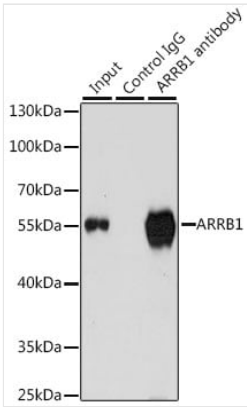
PRODUCT SYNONYMS

ARRB1; Polyclonal Antibody; ARRB1 Polyclonal Antibody; ARB1; ARR1; anti-ARRB1 antibody

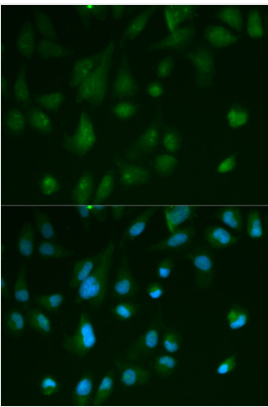
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-ARRB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human ARRB1
Calculated Molecular Weight	47kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

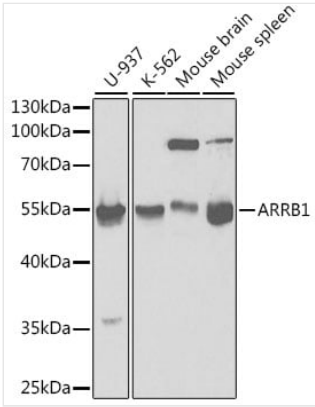
IMAGES



IP (Immunoprecipitation)
Immunoprecipitation analysis of 200ug extracts of K-562 cells using 3ug ARRB1 antibody. Western blot was performed from the immunoprecipitate using ARRB1 antibody at a dilution of 1:1000.



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using ARRB1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using ARRB1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-ARRB1 antibody	Arrestin proteins function as negative regulators of G protein-coupled receptor (GPCR) signaling. Cognate ligand binding stimulates GPCR phosphorylation, which is followed by binding of arrestin to the phosphorylated GPCR and the eventual internalization of the receptor and desensitization of GPCR signaling (1). Four distinct mammalian arrestin proteins are known. Arrestin 1 (also known as S-arrestin) and arrestin 4 (X-arrestin) are localized to retinal rods and cones, respectively. Arrestin 2 (also known as beta-arrestin 1) and arrestin 3 (beta-arrestin 2) are ubiquitously expressed and bind to most GPCRs (2). beta-arrestins function as adaptor and scaffold proteins and play important roles in other processes, such as recruiting c-Src family proteins to GPCRs in Erk activation pathways (3,4). beta-arrestins are also involved in some receptor tyrosine kinase signaling pathways (5-8). Additional evidence suggests that beta-arrestins translocate to the nucleus and help regulate transcription by binding transcriptional cofactors (9,10).
Product Categories/Family for anti-ARRB1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141238
NCBI GeneID	408
UniProt Accession #	P49407; O75625; O75630; Q2PP20; Q9BTK8; B6V9G8

Molecular Weight	418
NCBI Official Full Name	Beta-arrestin-1
NCBI Official Synonym Full Names	arrestin, beta 1
NCBI Official Symbol	ARRB1
NCBI Official Synonym Symbols	ARB1; ARR1
NCBI Protein Information	beta-arrestin-1; arrestin 2
UniProt Protein Name	Beta-arrestin-1
UniProt Gene Name	ARRB1
UniProt Synonym Gene Names	ARR1
UniProt Entry Name	ARRB1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/arrb1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/36980>