

Rabbit ARRB1 Polyclonal Antibody | anti-ARRB1 antibody

ARRB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305708	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

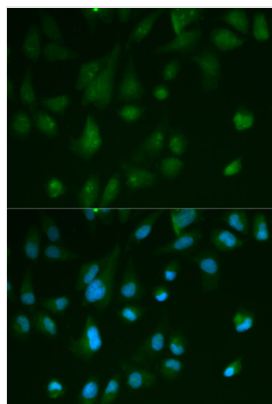
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

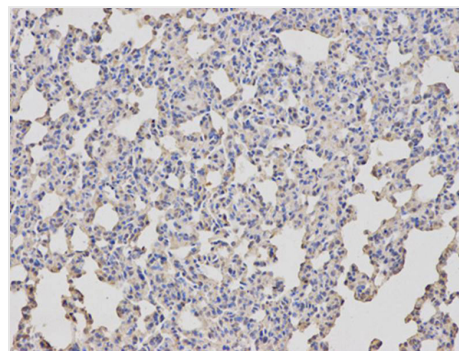
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total ARRB1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-ARRB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human ARRB1.
Target Name	ARRB1
Preparation and Storage	Store at -20 degree C

IMAGES



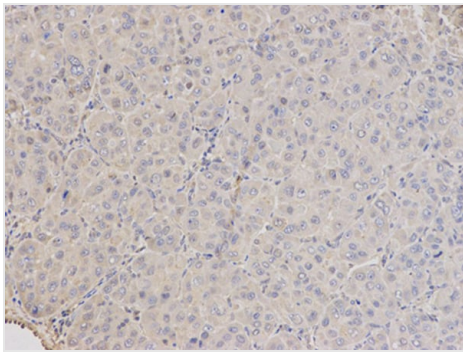
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using ARRB1 antibody. Blue: DAPI for nuclear staining.



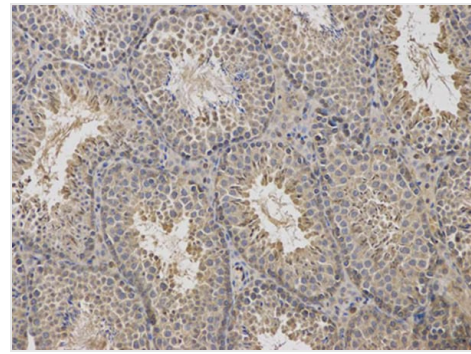
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat lung using ARRB1 antibody at dilution of 1:100 (200x lens).



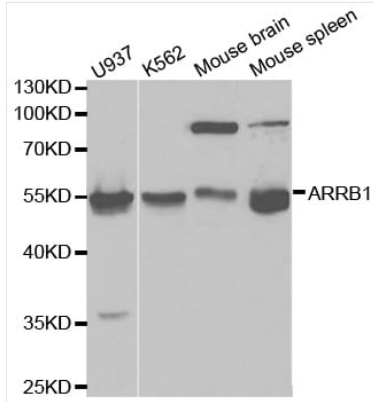
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse testis using ARRB1 antibody at dilution of 1:100 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver cancer using ARRB1 antibody at dilution of 1:100 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ARRB1 antibody.

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 b-arrestin 1) and arrestin 3 (b-arrestin 2) are ubiquitously expressed and bind to most GPCRs (2). b-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). b-arrestins are also involved in some receptor tyrosine kinase signaling pathways (5-8). Additional evidence suggests that b-arrestins translocate to the nucleus and help regulate transcription by binding transcriptional cofactors (9,10).

Product Categories/Family for anti-ARRB1 antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	10880136
NCBI GeneID	408
NCBI Accession #	NP_004032.2
NCBI GenBank Nucleotide #	NM_004041.4
UniProt Accession #	P49407; O75625; O75630; Q2PP20; Q9BTK8; B6V9G8
Molecular Weight	46,309 Da
NCBI Official Full Name	beta-arrestin-1 isoform A

NCBI Official Synonym Full Names	arrestin, beta 1
NCBI Official Symbol	ARRB1
NCBI Official Synonym Symbols	ARB1; ARR1
NCBI Protein Information	beta-arrestin-1
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/305708>