

Anti-ARRB1 Antibody (3Y284)

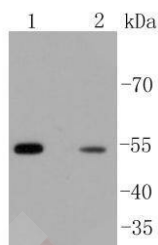
Product Details

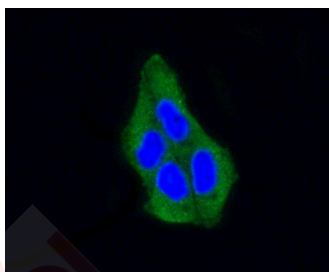
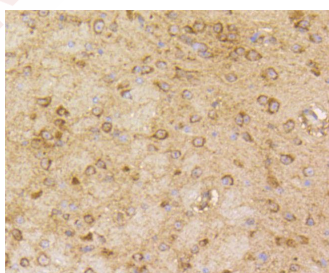
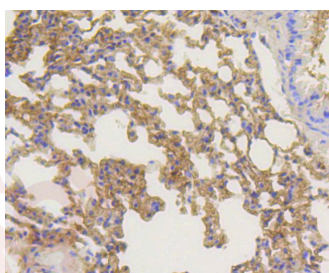
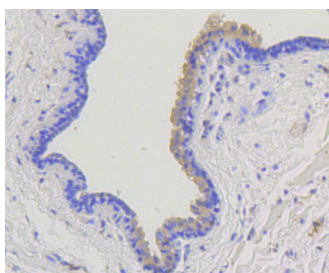
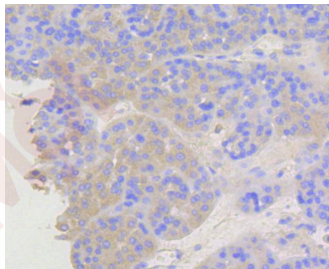
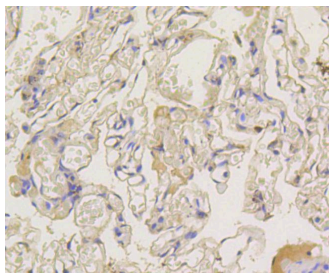
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 50 kDa.
Clone:	3Y284
Purification:	ProA affinity purified

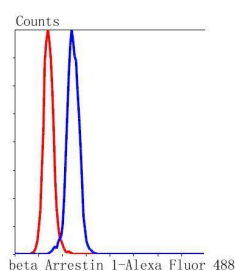
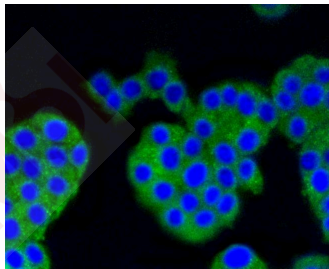
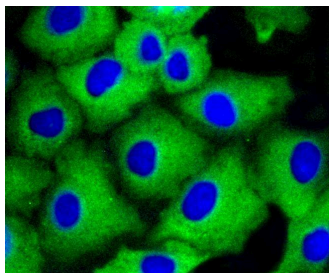
Applications

1. Western blot analysis of beta Arrestin 1 on different lysates using anti-beta Arrestin 1 antibody at 1/1,000 dilution. Positive control: Lane 1: PC12, Lane 2: Jurkat.
2. Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.
7. ICC staining beta Arrestin 1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
8. ICC staining beta Arrestin 1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
9. ICC staining beta Arrestin 1 in PC12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
10. Flow cytometric analysis of Hela cells with beta Arrestin 1 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Verified Activity:







Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-2000; IHC: 1:50-100; ICC/IF: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P49407

Synonyms: ARRB1;ARR1;Arrestin Beta-1;Arrestin β -1;Beta-Arrestin-1; β -Arrestin-1

Research Background

The members of the G protein coupled receptor family are distinguished by their slow transmitting response to ligand binding. These seven transmembrane proteins include the adrenergic, serotonin and dopamine receptors. The effect of the signaling molecule can be excitatory or inhibitory depending on the type of receptor to which it binds. Members of the β -Arrestin family regulate receptor binding to G proteins. β -Arrestins have been found to be located at postsynaptic sites, where they are thought to act in concert with β ARK (β ARK1, also designated GRK 2, or β ARK2, also designated GRK 3 to regulate G protein-coupled neurotransmitter receptors. Expression of β -Arrestin-1 and β -Arrestin-2 is seen predominantly in spleen and neuronal tissues. It has been shown that β -Arrestin-1 expression is modulated by intracellular cAMP, which may be a novel mechanism for the regulation of receptor-mediated responses.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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