beta Arrestin 1 Rabbit mAb

Catalog No: #48875

Package Size: #48875-1 50ul #48875-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

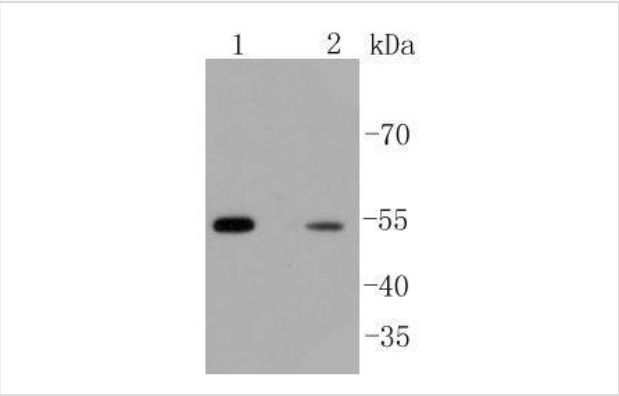
Description

Product Name	beta Arrestin 1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST51-08
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ARB1 antibody ARR1 antibody ARRB1 antibody ARRB1_HUMAN antibody Arrestin 2 antibody Arrestin beta 1 antibody Arrestin beta-1 antibody Beta-arrestin-1 antibody
Accession No.	Swiss-Prot#:P49407
Uniprot	P49407
GeneID	408;
Calculated MW	50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

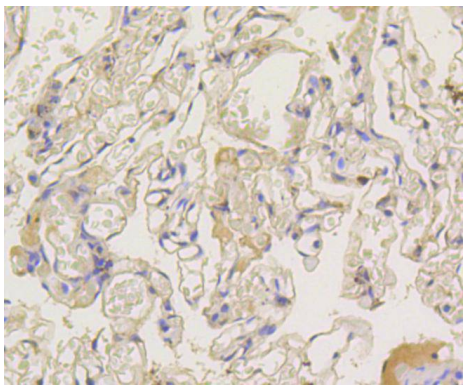
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:100 ICC: 1:50-1:200FC: 1:50-1:100

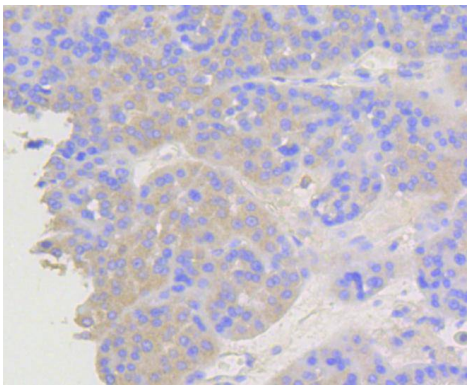
Images



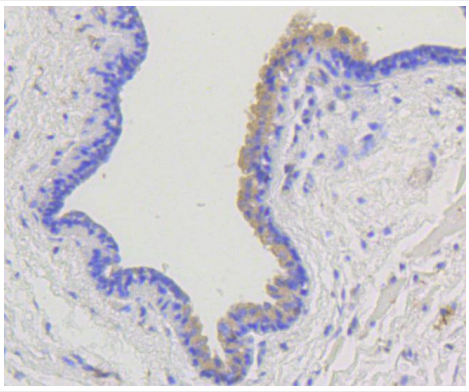
Western blot analysis of beta Arrestin 1 on different lysates using anti-beta Arrestin 1 antibody at 1/1,000 dilution.
Positive control:
Lane 1: PC12
Lane 2: Jurkat



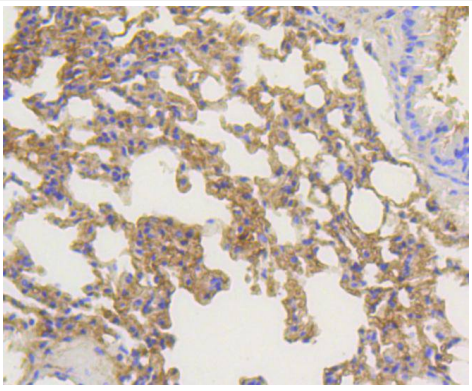
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.



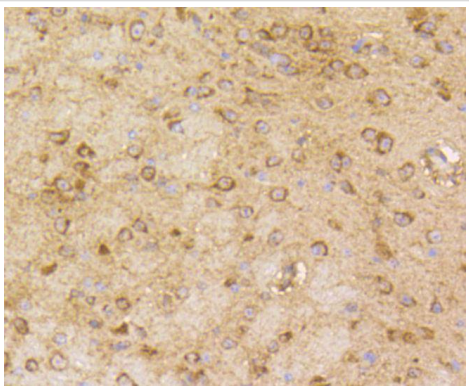
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.



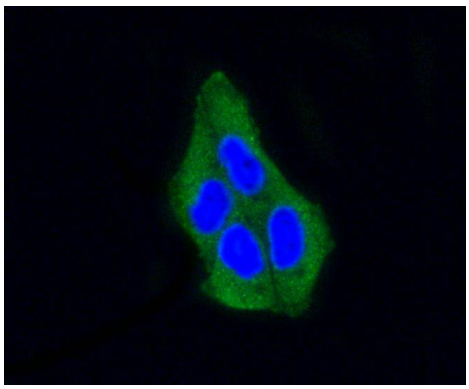
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.



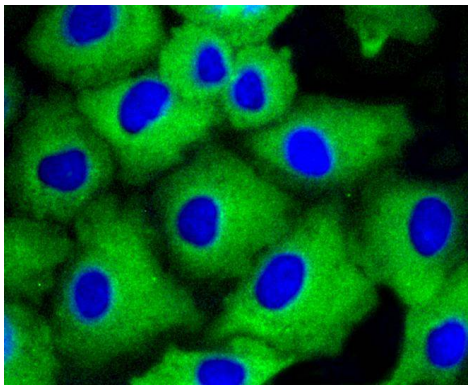
Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.



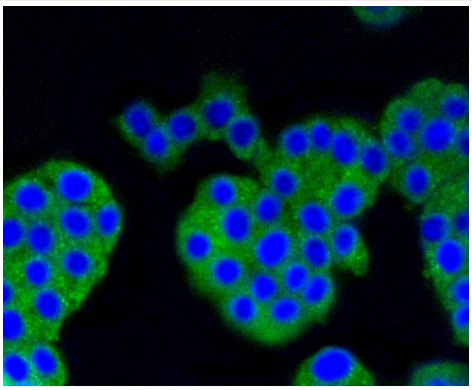
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-beta Arrestin 1 antibody. Counter stained with hematoxylin.



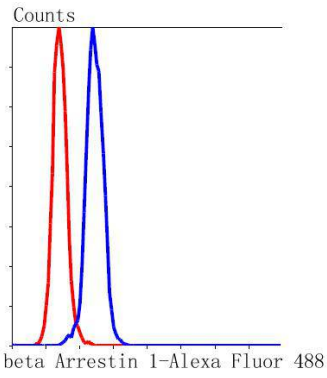
ICC staining beta Arrestin 1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



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.



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.



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.

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 theβ-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 withβARK (βARK1, also designated GRK 2, orβARK2, also designated GRK 3 to regulate G protein-coupled neurotransmitter receptors. Expression ofβ-Arrestin-1 and b-Arrestin-2 is seen predominantly in spleen and neuronal tissues. It has been shown thatβ-Arrestin-1 expression is modulated by intracellular cAMP, which may be a novel mechanism for the regulation of receptor-mediated responses.

References

Note: This product is for in vitro research use only