

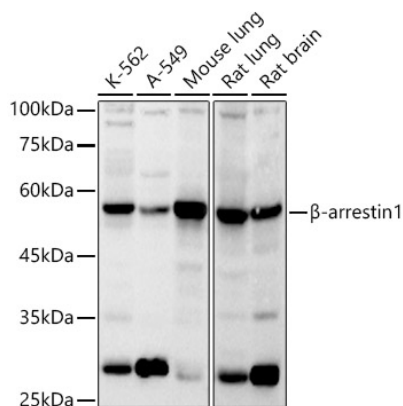


<b>Product name:</b>	β-arrestin1 Rabbit Polyclonal Antibody
<b>Cat number:</b>	AB0998
<b>Conjugate:</b>	Unconjugated
<b>Host:</b>	Rabbit
<b>Size:</b>	100 ug
<b>Synonyms:</b>	None
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 169-418 of human β-arrestin1.
<b>Reactivity:</b>	Human,Mouse,Rat
<b>Applications:</b>	Western Blot: 1:500 - 1:1000 Immunohistochemistry (paraffin-embedded tissues): 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200 IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
<b>Molecular weight:</b>	51kDa
<b>Purification:</b>	Affinity purification
<b>Background:</b>	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. Arrestin beta 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions. Alternatively spliced transcripts encoding different isoforms of arrestin beta 1 have been described. RRID AB_2757517 Gene ID 408 Swiss Prot Synonym ARB1; ARR1; β-arrestin1
<b>Form:</b>	liquid
<b>Buffer:</b>	PBS with 0.05% proclin300,50% glycerol,pH7.3
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles

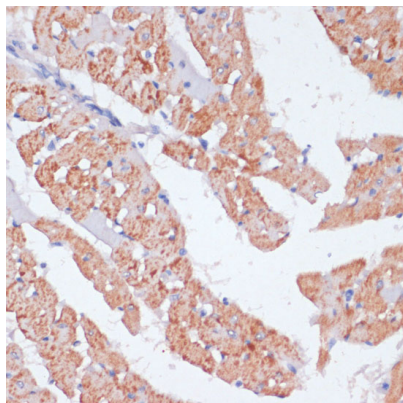
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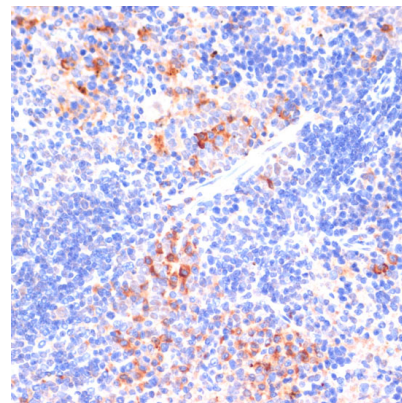
Web-site: <https://immunologicalsciences.com> - E-mail: [info@immunologicalsciences.com](mailto:info@immunologicalsciences.com)



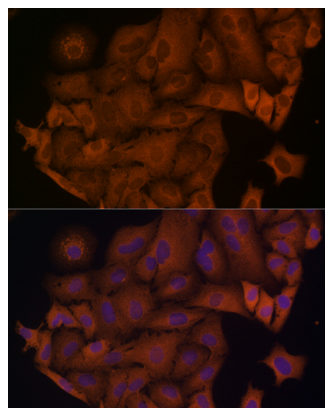
Western blot analysis of various lysates using β-arrestin1 Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 30s.



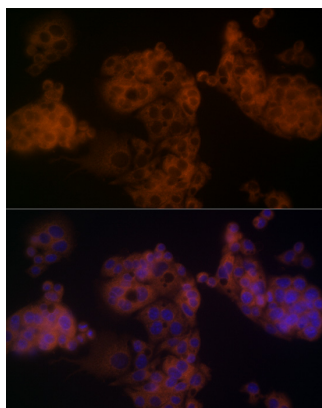
Immunohistochemistry analysis of paraffin-embedded Rat heart using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



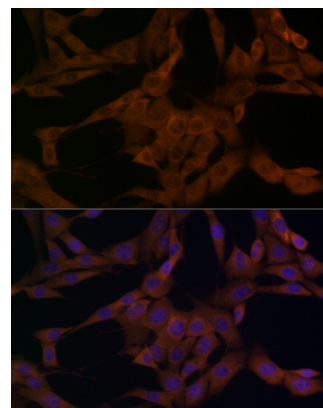
Immunohistochemistry analysis of paraffin-embedded Mouse spleen using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of A-549 cells using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



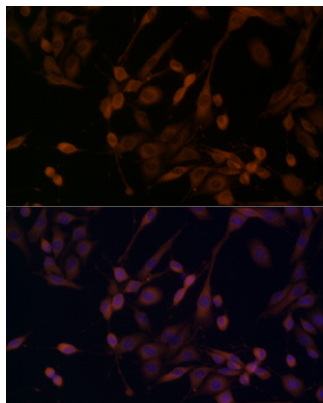
Immunofluorescence analysis of HepG2 cells using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



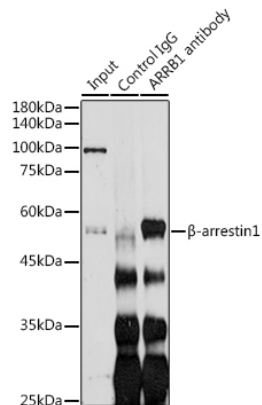
Immunofluorescence analysis of NIH/3T3 cells using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

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Immunofluorescence analysis of PC-12 cells using β-arrestin1 Rabbit pAb at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 μg extracts of SH-SY5Y cells using 3 μg β-arrestin1 antibody, Western blot was performed from the immunoprecipitate using β-arrestin1 at a dilution of 1:1000.

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