

## Product datasheet for **AM31722PU-N**

### Beta Arrestin 2 (ARRB2) Mouse Monoclonal Antibody [Clone ID: 3G1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	3G1
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Immunofluorescence:</b> 10 µg/ml. <b>Immunohistochemistry on Paraffin Sections:</b> 5 µg/ml. <b>Western Blot:</b> 1/500 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	ARRB2 antibody was raised against ARRB2 (AAH07427, 300 a.a. ~ 410 a.a) partial recombinant protein with GST tag.
Specificity:	Recognizes Beta-Arrestin 2.
Formulation:	PBS, pH 7.2 State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20° or -80°C. Avoid freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	arrestin beta 2
Database Link:	<a href="#">Entrez Gene 409 Human P32121</a>



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**Background:**

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 2, like arrestin beta 1, was shown to inhibit beta adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors.

**Synonyms:**

Beta-arrestin-2, ARB2, ARR2

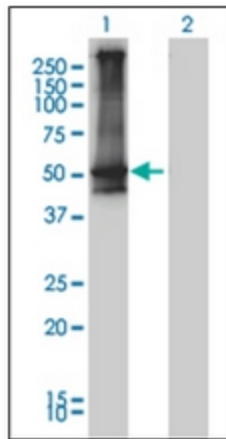
**Protein Families:**

Druggable Genome

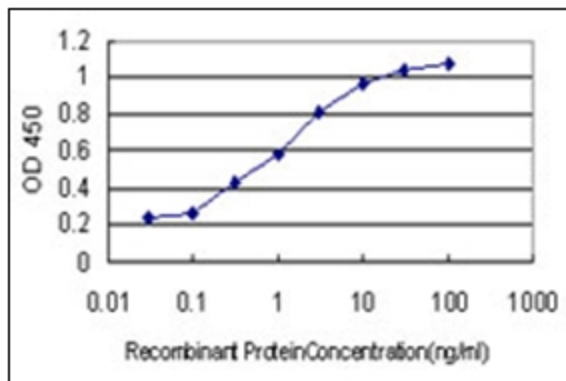
**Protein Pathways:**

Chemokine signaling pathway, Endocytosis, MAPK signaling pathway, Olfactory transduction

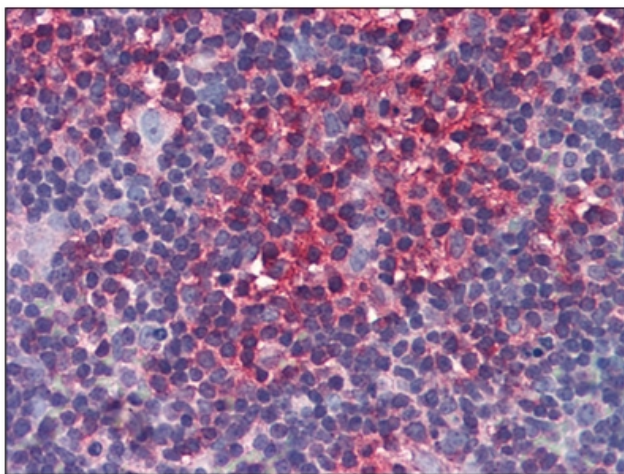
**Product images:**



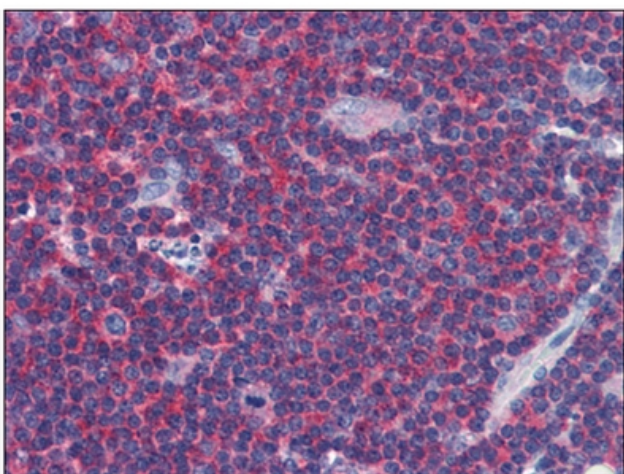
Western Blot analysis of ARRB2 expression in transfected 293T cell line. Lane 1: ARRB2 transfected lysate (46 KDa). Lane 2: Non-transfected lysate.



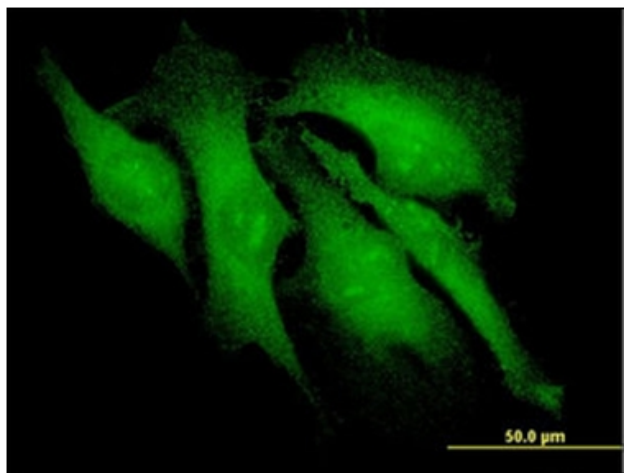
Detection limit for recombinant GST tagged ARRB2 is approximately 0.03ng/ml as a capture antibody.



Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of monoclonal ARRB2 antibody on HeLa cell at 10 ug/ml.