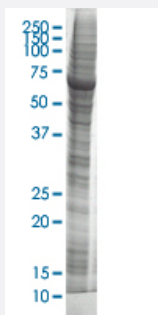


# ARRB2 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

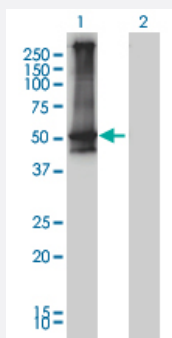
Catalog # L061T6      Size 100 ug

## Applications



### SDS-PAGE Gel

ARRB2 transfected lysate



### Western Blot

Lane 1: ARRB2 transfected lysate ( 46 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                       |                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Transfected Cell Line | HEK293                                                                                                                                |
| Plasmid               | pCMV-ARRB2 full length                                                                                                                |
| Host                  | Human                                                                                                                                 |
| Theoretical MW (kDa)  | 46                                                                                                                                    |
| Lysis Buffer          | Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF. |
| Concentration         | 2 mg/ml                                                                                                                               |

**Quality Control Testing**

Transient overexpression cell lysate was tested with Anti-ARRB2 antibody ([H00000409-M01](#)) by Western Blots.  
SDS-PAGE Gel  
ARRB2 transfected lysate  
Western Blot  
Lane 1: ARRB2 transfected lysate ( 46 KDa).  
Lane 2: Non-transfected lysate.

**Recommend Usage**

Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.

**Storage Buffer**

In modified RIPA Lysis Buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot
- Immunoprecipitation

[Protocol Download](#)

## Gene Info — ARRB2

Entrez GeneID

[409](#)

GeneBank Accession#

[BC007427](#)

Protein Accession#

[AAH07427](#)

Gene Name

ARRB2

Gene Alias

ARB2, ARR2, BARR2, DKFZp686L0365

Gene Description

arrestin, beta 2

Omim ID

[107941](#)

Gene Ontology

[Hyperlink](#)

**Gene Summary**

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. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq]

**Other Designations**

arrestin 3

**Pathway**

- [Chemokine signaling pathway](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Olfactory transduction](#)

**Disease**

- [Amphetamine-Related Disorders](#)
- [Asthma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Confusion](#)
- [Disease Models](#)
- [Dyskinesia](#)
- [Genetic Predisposition to Disease](#)
- [Nausea](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Failure](#)

- [Pain](#)
- [Polycystic Ovary Syndrome](#)
- [Psychoses](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)