

Datasheet: AHP2038

Description:	GOAT ANTI HUMAN BETA ARRESTIN-2
Specificity:	BETA ARRESTIN-2
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1/32000
Immunoprecipitation			■	
Western Blotting	■			0.03 - 0.1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human Beta arrestin-2 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence C-HDHIPLRPQS from the internal region of the ARRB2 near the C-terminus (aa 350-360) as indicated in UniProt entry: P32121.

**External Database
Links**

UniProt:

[P32121](#) [Related reagents](#)

Entrez Gene:

[409](#) [ARRB2](#) [Related reagents](#)

Synonyms

ARB2, ARR2

Specificity

Goat anti Human beta arrestin-2 antibody recognises human beta arrestin-2, a 409 amino acid ~45 kDa scaffold protein and member of the arrestin family, highly expressed in the central nervous system. Beta-arrestin-2 plays a role in regulating agonist-mediated G-protein coupled receptor (GPCR) signaling, through receptor desensitization and internalization. Beta-arrestin-2 may function in the regulation of synaptic receptors, and in scaffold-linking GPCRs to JNK3, thereby enhancing the GPCR-mediated activation of JNK3, associated with cell apoptosis.

Western Blotting

AHP2038 detects a band of approximately 45kDa in human brain, skin and spleen cell lysates.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation #10058 available at:
10058: <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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