

Product Datasheet

beta-Arrestin 2 Antibody (4D2) - Azide and BSA Free H00000409-M06

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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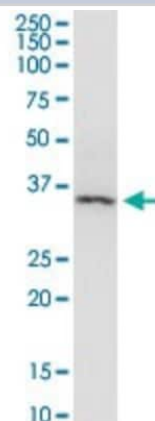
H00000409-M06

beta-Arrestin 2 Antibody (4D2) - Azide and BSA Free

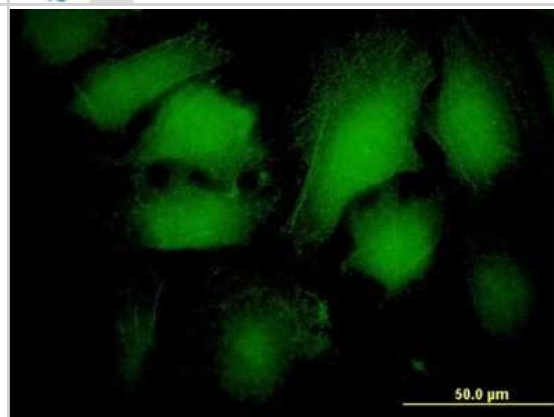
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4D2
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	409
Gene Symbol	ARRB2
Species	Human, Mouse, Rat
Reactivity Notes	Rat cross-reactivity determined by WB. Mouse reported in scientific literature (PMID: 21131397).
Specificity/Sensitivity	ARRB2 - arrestin, beta 2 (4D2)
Immunogen	ARRB2 (AAH07427, 300 a.a. ~ 409 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. NLA S S T I V K E G A N K E V L G I L V S Y R V K V K L V V S R G G D V S V E L P F V L M H P K P H D H I P L P R P Q S A A P E T D V P V D T N L I E F D T N Y A T D D D I V F E D F A R L R L K G M K D D D Y D D Q L C
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

Images

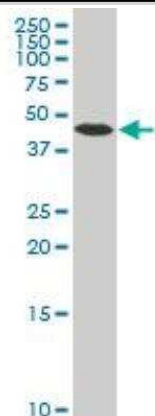
Western Blot: beta-Arrestin 2 Antibody (4D2) [H00000409-M06] - Analysis of ARRB2 expression in MCF-7.



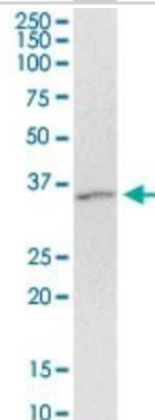
Immunocytochemistry/Immunofluorescence: beta-Arrestin 2 Antibody (4D2) [H00000409-M06] - Analysis of monoclonal antibody to ARRB2 on HeLa cell. Antibody concentration 10 ug/ml



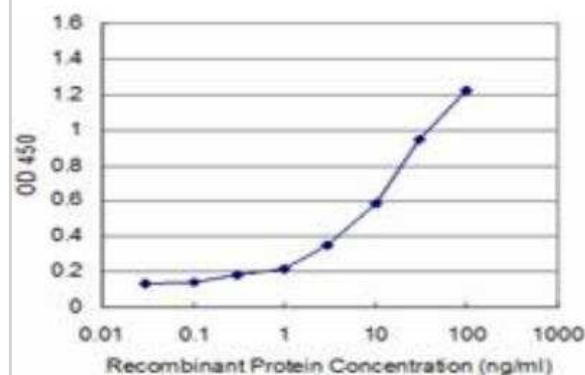
Western Blot: beta-Arrestin 2 Antibody (4D2) [H00000409-M06] - ARRB2 monoclonal antibody (M06), clone 4D2 Western Blot analysis of ARRB2 expression in HeLa (Cat # L013V1).



Western Blot: beta-Arrestin 2 Antibody (4D2) [H00000409-M06] - Analysis of ARRB2 expression in PC-12.



ELISA: beta-Arrestin 2 Antibody (4D2) [H00000409-M06] - Detection limit for recombinant GST tagged ARRB2 is approximately 0.3ng/ml as a capture antibody.



Publications

Ahn KH, Mahmoud MM, Shim JY, Kendall DA. Distinct roles of beta-arrestin 1 and beta-arrestin 2 in ORG27569-induced biased signaling and internalization of the cannabinoid receptor one (CB1). *J Biol Chem* 2013-02-28 [PMID: 23449980] (WB, Human)

Wang WC, Schillinger RM, Malone MM, Liggett S. Paradoxical attenuation of B2-AR function in airway smooth muscle by Gi-mediated counterregulation in transgenic mice overexpressing type 5 adenylyl cyclase Am *J Physiol Lung Cell Mol Physiol* 2011-03-01 [PMID: 21131397] (WB, Mouse)



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Products Related to H00000409-M06

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP2-24569PEP	beta-Arrestin 2 Antibody Blocking Peptide

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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