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Datasheet for ABIN740160 anti-Apelin Receptor antibody (AA 52-66)

6 Images

2 Publications



Overview

Quantity:	100 µL
Target:	Apelin Receptor (APLNR)
Binding Specificity:	AA 52-66
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Apelin Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Apelin receptor (cytoplasmic domain)
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.
Target Details	
Target:	Apelin Receptor (APLNR)
Alternative Name:	Apj Receptor (APLNR Products)
Background:	Synonyms: APJ, APJR, HG11, AGTRL1, Apelin receptor, Angiotensin receptor-like 1, G-protein

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	coupled receptor APJ, G-protein coupled receptor HG11, APLNR
	Background: Receptor for apelin coupled to G proteins that inhibit adenylate cyclase activity
	and plays a role in various processes in adults such as regulation of blood pressure, heart
	contractility, and heart failure. Also plays a key role in early development such as gastrulation
	and heart morphogenesis by acting as a receptor for APELA hormone. Alternative coreceptor
	with CD4 for HIV-1 infection, may be involved in the development of AIDS dementia.
Gene ID:	187
UniProt:	P35414

Application Details

Application Notes:	WB 1:100-1000
	FCM 1:20-100
	IHC-P 1:100-500
	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

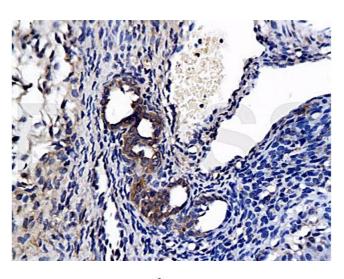
Handling

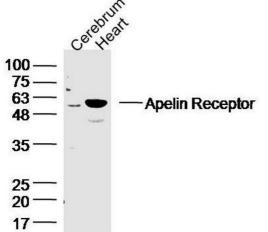
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months
Publications	
Product cited in:	Izgüt-Uysal, Gemici, Birsen, Acar, Üstünel: "The effect of apelin on the functions of peritoneal

macrophages." in: Physiological research, Vol. 66, Issue 3, pp. 489-496, (2017) (PubMed).

Ustunel, Acar, Gemici, Ozbey, Edizer, Soylu, Tepekoy, Izgut-Uysal: "The effects of water immersion and restraint stress on the expressions of apelin, apelin receptor (APJR) and apoptosis rate in the rat heart." in: **Acta histochemica**, Vol. 116, Issue 5, pp. 675-81, (2014) (PubMed).

Images





Immunohistochemistry

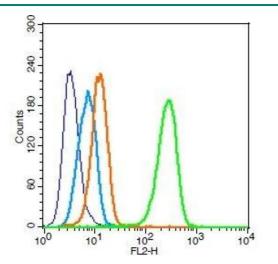
Image 1. Formalin-fixed and paraffin-embedded : rat ovary tissue labeled with Rabbit Anti-APELIN RECEPTOR Polyclonal Antibody, Unconjugated (ABIN740160) 1:200 followed by conjugation to the secondary antibody and DAB staining

Western Blotting

Image 2. Mouse cerebrum and heart lysates probed with APJ Receptor Polyclonal Antibody, unconjugated at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.

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Images



Flow Cytometry

Image 3. Human U251 cells probed with APJ Receptor Polyclonal Antibody, Unconjugated (green) at 1:100 for 30 minutes followed by a PE conjugated secondary antibody compared to unstained cells (blue), secondary only (light blue), and isotype control (orange).

Please check the product details page for more images. Overall 6 images are available for ABIN740160.