

For Research Use Only

AGTR1 Monoclonal antibody

Catalog Number: 66415-1-Ig **2 Publications**



Basic Information

Catalog Number: 66415-1-Ig	GenBank Accession Number: BC022447	Purification Method: Protein A purification
Size: 150ul , Concentration: 1300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 185	CloneNo.: 2C5G11
Source: Mouse	UNIPROT ID: P30556	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG2a	Full Name: angiotensin II receptor, type 1	
Immunogen Catalog Number: AG14461	Calculated MW: 359 aa, 41 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : pig heart tissue, pig skeletal muscle tissue, rat heart tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat, pig	
Cited Species: human, mouse	

Background Information

Angiotensin II (Ang II), the main effector molecule of the renin-angiotensin system, exerts its actions mainly via interaction with type-1 angiotensin II receptor (AGTR1, also named as AT1R), thereby contributing to blood pressure regulation. AGTR1 mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. By regulating vascular tone, cardiovascular function, salt and water homeostasis, AGTR1 exerts an indispensable physiological role (PMID: 21600887). AGTR1 has been implicated in diverse aspects of human disease, from the regulation of blood pressure and cardiovascular homeostasis to cancer progression (PMID: 26975580).

Notable Publications

Author	Pubmed ID	Journal	Application
Han Su	34603779	J Adv Res	WB
Tianyuan Song	39181368	Int J Biol Macromol	WB

Storage

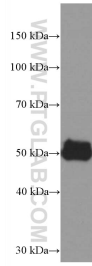
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



pig heart tissue were subjected to SDS PAGE followed by western blot with 66415-1-Ig (AGTR1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.