

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: 1300 ug/ml	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

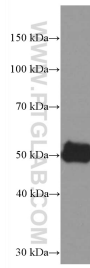
Storage

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.