

Human AGTR-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 1010106 Catalog Number: MAB102441

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human AGTR-1 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 1010106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Synthetic peptide containing human AGTR-1 Accession # P30556
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

APPLICATIONS				
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.				
	Recommended	Sample		
	Concentration			
Western Blot	1 μg/mL	See Below		

DATA Western Blot **Detection of Human AGTR-1** by Western Blot. Western blot shows lysates of human liver tissue and human lung tissue. PVDF membrane was probed with 150 -1 µg/mL of Mouse Anti-Human AGTR-1 Monoclonal Antibody (Catalog # MAB102441) followed 75 by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog — AGTR1 #HAF018). A specific band was detected for AGTR-1 at approximately 43 kDa (as 20 — 15 indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.	

BACKGROUND

Type-1 angiotensin II receptor, AGTR1, is a seven transmembrane domain (7TM) G protein-coupled receptor (GPCR) that mediates the cardiovascular effects of angiotensin II. At least four transcript variants have been described for the AGTR1 gene.

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