

AGTR1 Conjugated Antibody

Catalog No: #C35616



Package Size: #C35616-AF350 100ul #C35616-AF405 100ul #C35616-AF488 100ul

#C35616-AF555 100ul #C35616-AF594 100ul #C35616-AF647 100ul

#C35616-AF680 100ul #C35616-AF750 100ul #C35616-Biotin 100ul

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Description

Product Name	AGTR1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total AGTR1 protein.
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human angiotensin II receptor, type 1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AT1, AG2S, AT1B, AT1R, AT1AR, AT1BR, AT2R1, HAT1R, AGTR1A, AGTR1B, AT2R1A, AT2R1B
Accession No.	Swiss-Prot#:P30556NCBI Gene ID:185NCBI mRNA#:NCBI Protein#:BC022447
Uniprot	P30556
GeneID	185;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	41
Concentration	0.4 mg/ml
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. Multiple alternatively spliced transcript variants have been reported for this gene.

Note: This product is for in vitro research use only