ATF2(Phospho-T71) Conjugated Antibody

Catalog No: #C13380

Package Size: #C13380-AF350 100ul #C13380-AF405 100ul #C13380-AF488 100ul #C13380-AF555 100ul #C13380-AF594 100ul #C13380-AF647 100ul #C13380-AF680 100ul #C13380-AF750 100ul #C13380-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	ATF2(Phospho-T71) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Aangiotensinogen (serpin peptidase inhibitor clade A member 8) antibody AGT antibody AI265500 antibody Alpha 1 antiproteinase antitrypsin antibody Ang antibody Ang I antibody Ang II antibody Ang III antibody AngII antibody Angiotensin I antibody Angiotensin II antibody Angiotensin III antibody Angiotensin-3 antibody Angiotensinogen (PAT) antibody Angiotensinogen antibody ANGT_HUMAN antibody ANHU antibody ANRT antibody AT-2 antibody AT-II antibody Des-Asp[1]-angiotensin II antibody FLJ92595 antibody FLJ97926 antibody MGC105326 antibody PAT antibody Pre angiotensinogen antibody Serine (or cysteine) proteinase inhibitor antibody Serpin A8 antibody Serpin peptidase inhibitor clade A member 8 antibody SERPINA8 antibody
Accession No.	Swiss-Prot#:P01019
Uniprot	P01019
GeneID	183;
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	53
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 is formed from a precursor, angiotensinogen, which is produced by the liver and found in the a-globulin fraction of plasma. The lowering of blood pressure is a stimulus to secretion of Renin by the kidney into the blood. Renin cleaves from angiotensinogen a terminal decapeptide, Angiotensin I (Ang I). This is further altered by the enzymatic removal of a dipeptide to form Angiotensin II (Ang II). Screening a panel of human-mouse somatic cell hybrids confirmed the assignment of the AGT locus to human chromosome 1. Angiotensin, an octapeptide hormone, is an important physiological effector of blood pressure and volume regulation through vasoconstriction, aldosterone release, sodium uptake and thirst stimulation. It has been shown that mechanical stress causes release of Angiotensin from cardiac myocytes and that Angiotensin acts as an initial mediator of the hypertrophic response. Angiotensin treatment also stimulates phosphorylation of Shc, FAK and MAP kinases and induces MKP-1, indicating stimulation of growth factor pathways. Angiotensin stimulation through AT1 has been shown to activate the JAK/Stat pathway involving a direct interaction between JAK2 and AT1 as demonstrated by co-immunoprecipitation.

Note: This product is for in vitro research use only