

ACE Conjugated Antibody

Catalog No: #C49627



Package Size: #C49627-AF350 100ul #C49627-AF405 100ul #C49627-AF488 100ul
 #C49627-AF555 100ul #C49627-AF594 100ul #C49627-AF647 100ul
 #C49627-AF680 100ul #C49627-AF750 100ul #C49627-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

Product Name	ACE Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ACE 1 antibody ACE antibody ACE T antibody ACE_HUMAN antibody ACE1 antibody Angiotensin converting enzyme somatic isoform antibody Angiotensin converting enzyme testis specific isoform antibody Angiotensin I converting enzyme 1 antibody Angiotensin I converting enzyme antibody Angiotensin I converting enzyme peptidyl dipeptidase A 1 antibody angiotensin I converting enzyme peptidyl-dipeptidase A 1 transcript antibody Angiotensin-converting enzyme antibody Carboxycathepsin antibody CD 143 antibody CD143 antibody CD143 antigen antibody DCP 1 antibody DCP antibody DCP1 antibody Dipeptidyl carboxypeptidase 1 antibody Dipeptidyl carboxypeptidase I antibody Kininase II antibody MGC26566 antibody MVCD3 antibody Peptidase P antibody Peptidyl dipeptidase A antibody soluble form antibody Testicular ECA antibody
Accession No.	Swiss-Prot#:P12821
Uniprot	P12821
GeneID	1636;
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	160 kDa
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-converting enzyme (ACE) is a carboxy-terminal dipeptidyl exo-peptidase that converts Angiotensin I to the potent vasopressive hormone, Angiotensin II. There are two isoforms of ACE, the pulmonary ACEP and the testicular ACET. ACEP is a glycoprotein expressed in vascular endothelial cells of the lung, liver, adrenal cortex, pancreas, kidney and spleen. The ACET isoform is expressed exclusively in adult testis by developing sperm cells, specifically, late pachytene spermatocytes. Additionally, ACE inactivates bradykinin, a vasodepressor peptide, and is involved in fluid/electrolyte homeostasis. Although it bears significant sequence homology to ACE, ACE2 shows a more restricted pattern of expression. ACE is expressed ubiquitously throughout the vasculature while ACE2 is expressed only in cardiac, renal and testicular cells.

Note: This product is for in vitro research use only