

Carbonic anhydrase 2 Conjugated Antibody

Catalog No: #C49733



Package Size: #C49733-AF350 100ul #C49733-AF405 100ul #C49733-AF488 100ul
 #C49733-AF555 100ul #C49733-AF594 100ul #C49733-AF647 100ul
 #C49733-AF680 100ul #C49733-AF750 100ul #C49733-Biotin 100ul

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

Description

Product Name	Carbonic anhydrase 2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CA 2 antibody CA II antibody CA-II antibody Ca2 antibody CAC antibody CAH2_HUMAN antibody CAII antibody Car 2 antibody Car2 antibody Carbonate dehydratase II antibody Carbonic anhydrase 2 antibody Carbonic anhydrase B antibody Carbonic anhydrase C antibody Carbonic anhydrase C, formerly antibody Carbonic anhydrase II antibody Carbonic dehydratase antibody epididymis luminal protein 76 antibody Epididymis secretory protein Li 282 antibody HEL-76 antibody HEL-S-282 antibody
Accession No.	Swiss-Prot#:P00918
Uniprot	P00918
GeneID	760;
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	29 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

Carbonic anhydrases (CAs) are members of a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. CAs are involved in a variety of biological processes including respiration, calcification, acid-base balance and bone resorption, as well as the formation of aqueous humor, cerebrospinal fluid, saliva and gastric juice. They show extensive diversity in distribution and in their subcellular localization. The human CA2 gene, which maps to chromosome 8q21, encodes CA II, a cytoplasmic protein that has the highest turnover rate and widest tissue distribution of any known human CA isozyme. The human CA4 gene, which maps to chromosome 17q23, encodes CA IV, a membrane-anchored isozyme that is expressed on the luminal surfaces of pulmonary capillaries and proximal renal tubules. The human CA9, CA12 and CA14 genes, which map to chromosomes 9p13, 15q22 and 1q21, respectively, encode transmembrane proteins that have unique patterns of tissue-specific expression.

Note: This product is for in vitro research use only