CBS Conjugated Antibody

Catalog No: #C49984

Package Size: #C49984-AF350 100ul #C49984-AF405 100ul #C49984-AF488 100ul #C49984-AF555 100ul #C49984-AF594 100ul #C49984-AF647 100ul #C49984-AF680 100ul #C49984-AF750 100ul #C49984-Biotin 100ul

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

Description

Product Name	CBS Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein within human CBS aa 400-550.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AI047524 antibody AI303044 antibody Beta thionase antibody Beta-thionase antibody Cbs antibody Cbs cystathionine beta-synthase antibody CBS_HUMAN antibody Cystathionine beta synthase antibody Cystathionine beta-synthase antibody EC 4.2.1.22 antibody HIP 4 antibody HIP4 antibody Methylcysteine synthase antibody MGC18856 antibody MGC18895 antibody MGC37300 antibody OTTHUMP00000109416 antibody OTTHUMP00000109418 antibody Serine sulfhydrase antibody
Accession No.	Swiss-Prot#:P35520
Uniprot	P35520
GeneID	102724560;875;
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	61 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

Strongly expressed in human liver and pancreas, with weaker expression in heart and brain, the cytoplasmic protein cystathionine b-synthase (CBS) operates in the first step of homocysteine transulfuration. CBS, which belongs to the cysteine synthase/cystathionine b-synthase family of proteins, catalyzes the formation of cystathionine from the thrombogenic amino acid homocysteine using pyridoxal phosphate cofactor. Allosteric activation by adenosyl-methionine regulates CBS activity. Deficiencies in CBS are assoc-iated with homocystinuria, a recessively inherited error in sulfur amino acid metabolism that affects many organs and tissues. Symptoms of homocytinuria include arteriosclerosis, thrombosis, dislocated optic lenses, mental retard-ation and skeletal abnormalities.

Note: This product is for in vitro research use only