

CSTB Conjugated Antibody

Catalog No: #C37516



Package Size: #C37516-AF350 100ul #C37516-AF405 100ul #C37516-AF488 100ul
 #C37516-AF555 100ul #C37516-AF594 100ul #C37516-AF647 100ul
 #C37516-AF680 100ul #C37516-AF750 100ul #C37516-Biotin 100ul

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Description

Product Name	CSTB Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total CSTB protein.
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human cystatin B (stefin B)
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	PME; ULD; CST6; EPM1; STFB; EPM1A
Accession No.	Swiss-Prot#:P04080NCBI Gene ID:1476NCBI mRNA#:NCBI Protein#:NP_006659
Uniprot	P04080
GeneID	1476;
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	11
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

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and kininogens. This gene encodes a stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins I, H and B. The protein is thought to play a role in protecting against the proteases leaking from lysosomes.

Note: This product is for in vitro research use only