

Neuron-specific class III β -tubulin Conjugated Antibody

Catalog No: #C48055

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Package Size: #C48055-AF350 100ul #C48055-AF405 100ul #C48055-AF488 100ul

#C48055-AF555 100ul #C48055-AF594 100ul #C48055-AF647 100ul

#C48055-AF680 100ul #C48055-AF750 100ul #C48055-Biotin 100ul

Description

Product Name	Neuron-specific class III β -tubulin Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide (KLH-coupled) within human/mouse 1-50 aa.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	beta 3 tubulin antibody beta-4 antibody CDCBM antibody CDCBM1 antibody CFEOM3 antibody CFEOM3A antibody FEOM3 antibody M(beta)3 antibody M(beta)6 antibody MC1R antibody Neuron specific beta III Tubulin antibody Neuron-specific class III beta-tubulin antibody QccE-11995 antibody QccE-15186 antibody TBB3_HUMAN antibody Tubb 3 antibody TUBB3 antibody TUBB4 antibody Tubulin beta 3 antibody Tubulin beta 3 chain antibody Tubulin beta 4 antibody Tubulin beta III antibody Tubulin beta-3 chain antibody Tubulin beta-4 chain antibody Tubulin beta-III antibody
Accession No.	Swiss-Prot#:Q13509
Uniprot	Q13509
GeneID	10381;
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	50 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

Tubulin is a compound of subunits of A tubulin and B tubulin. Class III beta tubulin (beta III-tubulin) is a vertebrate tubulin isotype specific to the neurons and mammalian testis cells, making it an ideal neuronal marker. Overexpression of class III beta tubulin is associated with the resistances of microtubule-targeted cancer drugs in lung cancer cell lines, breast cancer cell lines, and ovarian tumors.

Note: This product is for in vitro research use only