

MICU1 Conjugated Antibody

Catalog No: #C46612



Package Size: #C46612-AF350 100ul #C46612-AF405 100ul #C46612-AF488 100ul
 #C46612-AF555 100ul #C46612-AF594 100ul #C46612-AF647 100ul
 #C46612-AF680 100ul #C46612-AF750 100ul #C46612-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MICU1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MICU1 protein.
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human MICU1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	CALC; EFHA3; MPXPS; CBARA1
Accession No.	Swiss-Prot#:Q9BPX6NCBI Gene ID:10367NCBI mRNA#:NCBI Protein#:BC004190
Uniprot	Q9BPX6
GeneID	10367;
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	54
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

This gene encodes an essential regulator of mitochondrial Ca²⁺ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca²⁺ channel, and is essential in preventing mitochondrial Ca²⁺ overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described.?

Note: This product is for in vitro research use only