FMRP Conjugated Antibody

Catalog No: #C49483

Package Size: #C49483-AF350 100ul #C49483-AF405 100ul #C49483-AF488 100ul #C49483-AF555 100ul #C49483-AF594 100ul #C49483-AF647 100ul #C49483-AF680 100ul #C49483-AF750 100ul #C49483-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	FMRP 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	FMR 1 antibody Fmr1 antibody Fmr1 gene antibody FMR1_HUMAN antibody FMRP antibody Fragile X mental retardation 1 antibody Fragile X mental retardation 1 protein antibody Fragile X mental retardation protein 1 antibody Fragile X mental retardation protein antibody fragile X mental retardation syndrome-related protein 1 antibody fragile X mental retardation, autosomal homolog 1 antibody FRAXA antibody fxr1 antibody MGC87458 antibody POF antibody POF1 antibody Protein FMR-1 antibody Protein FMR1 antibody wu:fb16f11 antibody wu:fd18c10 antibody zgc:66226 antibody
Accession No.	Swiss-Prot#:Q06787
Uniprot	Q06787
GeneID	2332;
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	71 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

Fragile X syndrome is the most frequent form of inherited mental retardation and is the result of transcriptional silencing of the FMR1 gene on the X chromosome. The FMR1 gene contains a distinct CpG dinucleotide repeat located in the 5' untranslated region of the gene. In fragile X syndrome this tandem repeat is substantially amplified and subjected to extensive methylation and enhanced transcriptional silencing. The FMR1 protein (or FMRP) is an RNA-binding protein that associates with polyribosomes and is a likely component of a messenger ribonuclear protein (mRNP) particle. It contains several features that are characteristics of RNA-binding proteins, including two hnRNPK homology (KH) domains and an RGG amino acid motif (RGG box). FMR1 localizes to both the nucleus and the cytoplasm and can also interact with two fragile X syndrome related factors, FXR1 and FXR2, which form heterodimers through their N-terminal coiled-coil domains. Since FMR1 contains both a nuclear localization signal and a nuclear export signal it is also implicated in the nucleocytoplasmic transport of mRNAs.

Note: This product is for in vitro research use only