Metallothionein 2 (MT2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Metallothionein 2 (MT2), Polyclonal Antibody
Full Product Name	APC-Linked Polyclonal Antibody to Metallothionein 2 (MT2)
Product Gene Name	anti-MT2 antibody
Product Synonym Names	MT2A; CES1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	>=100ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against MT2. It has been selected for its ability to recognize MT2 in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: MT2 (MBS2112169) APC Conjugated Antibody: MT2 (MBS2120022)
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Cross Reactivity	Mouse
Conjugation	APC
Product Categories/Family for anti-MT2 antibody	Tumor Immunity
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-MT2 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Related Product Information for anti-MT2 antibody	MBS2120022 is an antibody targeting MT2. Also known as APC-Linked Polyclonal Antibody to Metallothionein 2 (MT2). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-MT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MT2. It may not necessarily be applicable to this product.

NCBI GI #	1495466

NCBI GeneID	4502
UniProt Related Accession #	P02795
NCBI Official Full Name	Metallothionein 2
NCBI Official Synonym Full Names	metallothionein 2A
NCBI Official Symbol	MT2A
NCBI Official Synonym Symbols	MT2; MT-2; MT-II
Protein Family	Metallothionein
NCBI Protein Information	metallothionein-2
NCBI Summary for MT2	This gene is a member of the metallothionein family of genes. Proteins encoded by this gene family are low in molecular weight, are cysteine-rich, lack aromatic residues, and bind divalent heavy metal ions, altering the intracellular concentration of heavy metals in the cell. These proteins act as anti-oxidants, protect against hydroxyl free radicals, are important in homeostatic control of metal in the cell, and play a role in detoxification of heavy metals. The encoded protein interacts with the protein encoded by the homeobox containing 1 gene in some cell types, controlling intracellular zinc levels, affecting apoptotic and autophagy pathways. Some polymorphisms in this gene are associated with an increased risk of cancer. [provided by RefSeq, Sep 2017]
Research Articles on MT2	**1.** Metallothionein 2A (MT2A)/myeloid zinc-finger 1 (MZF1) may serve as a prognostic marker and a therapeutic target for human gastric cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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