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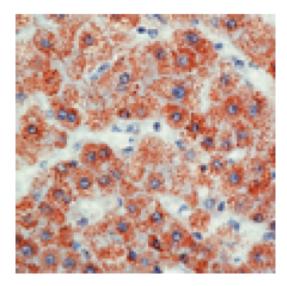
AM33293PU-S Monoclonal Antibody to Mitochondria - Purified

Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	MTC02
Immunogen:	Semi-purified mitochondrial preparation.
Format:	State: Liquid purified IgG fraction from Bioreactor Concentrate Purification: Protein A/G Chromatography Buffer System: 10mM PBS Preservatives: 0.05% Sodium Azide Stabilizers: 0.05% BSA
Applications:	 ELISA: Use BSA free Antibody for Coating. Western Blot: 0.25-0.5 μg/ml. Immunoprecipitation: 0.5-1 μg/500 μg protein lysate. Immunofluorescence: 0.5-1 μg/ml. Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections: 0.5-1 μg/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 1mM EDTA Buffer, pH 8.5-9.5, for 10-20 min followed by cooling at RT for 20 minutes. <i>Recommended Positive Control:</i> HeLa or HepG2 cells. Hepatic carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	60kDa
Specificity:	This Monoclonal Antibody recognizes a 60kDa antigen associated with the m itochondria in human cells. It is a part of a new panel of reagents, which recognizes subcellular or ganelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. This MAb recognizes an antigen associated with the mitochondria in human cells only. It can be used to stain the mitochondr ia in cell or tissue preparations and can be used as a mitochondrial marker in subcellular fractions. It produces a spaghetti- like pattern in normal and malignant cells and may be used to stain mito chondria of cells in fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed f rozen tissue or cell preparations. This Monoclonal Antibody is an excellent marker for human cells in xenographic mo del research. It reacts specifically with human cells, including neurons and embryonic stem cells. Cellular Localization : Mitochondria in cytoplasm. Negative Species: Mouse, Rat.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

ORIGENE AM33293PU-S: Monoclonal Antibody to Mitochondria - Purified

Species Reactivity:	Tested: Human.
Storage:	Store undiluted at 2-8°C. Shelf life: one year from despatch.
Pictures:	Formalin-Fixed, Paraffin-Embedded Human liver stained with anti- Mitochondria antibody Clone MTC02 using peroxidase conjugate and AEC chromogen. Note granular staining of hepatocytes.



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