

Mouse Mitochondria Monoclonal Antibody

Mitochondria (Marker for Human Cells, Granular RCC & Salivary Tumors) Mouse Monoclonal Antibody

CATALOG # AAA62520	HOST Mouse	REACTIVITY Human.Does not react with Mouse and Rat	APPLICATIONS Immunohistochemistry, Immunofluorescence
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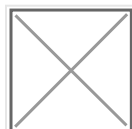
PRODUCT SYNONYMS

Mitochondria; Monoclonal Antibody; Mitochondria (Marker for Human Cells; Granular RCC & Salivary Tumors) Mouse Monoclonal Antibody; anti-Mitochondria antibody

PRODUCT SPECIFICATIONS

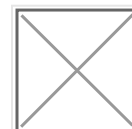
Host	Mouse
Reactivity	Human. Does not react with Mouse and Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	113-1
Specificity	This MAb recognizes a 60kDa antigen associated with the mitochondria in human cells. It can be used to stain mitochondria in cell or tissue preparations and can be used as a mitochondrial marker in subcellular fractions. It produces a spaghetti-like pattern in normal and malignant cells. This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells. Immunostaining pattern with anti-mitochondrial MAb has been reported as a useful discriminatory adjunct in the complex differential granular renal cell tumors. Reportedly, this MAb facilitates the classification of salivary tumors.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Applicable Applications for anti-Mitochondria antibody	IHC (Immunohistochemistry), IF (Immunofluorescence)
Cellular Localization	Mitochondria in Cytoplasm
Immunogen	Semi-purified mitochondrial preparation
Positive Control	HeLa or HepG2 cells. Hepatic carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody is stable for 24 months.,Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Pancreas stained with Mitochondria Monoclonal Antibody (113-1).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Testicular Carcinoma stained with Mitochondria Monoclonal Antibody (113-1).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Mitochondria Monoclonal Antibody (113-1).

ADDITIONAL INFORMATION

References

Tickoo SK, Amin MB, Linden MD, Lee MW, Zarbo RJ. Antimitochondrial antibody (113-1) in the differential diagnosis of granular renal cell tumors. Am J Surg Pathol. 1997;21(8):922-30. Vera-Sempere F, Vera-Sirera B. Usefulness of antimitochondrial antibody 113-1 in diagnosis and classification of salivary gland tumours with oncocytic differentiation. Acta Otorrinolaringol Esp. 2011;62(1):1-9

NCBI AND UNIPROT INFORMATION

Molecular Weight

60kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mitochondria-antibody-clone-113-1-immunohistochemistry-immunofluorescence-elisa/62520>