

# Product Datasheet

## Mitochondria Antibody (MTC719)

### NBP2-32873-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 7/16/2024 v.20.1

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**NBP2-32873-0.1mg**

Mitochondria Antibody (MTC719)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MTC719
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	60 kDa

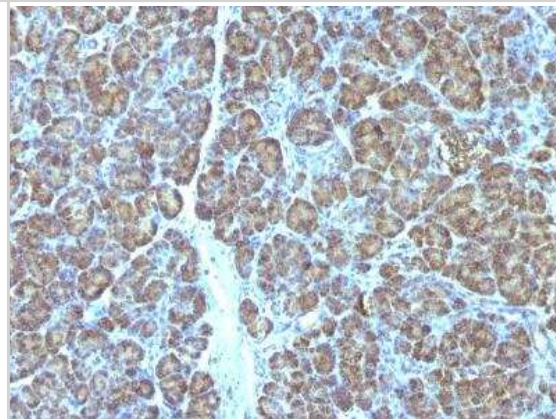
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-34687)  Antibody with azide - store at 2 to 8C.
Host	Mouse
Species	Human
Reactivity Notes	Does not react with Insects or Bacteria.
Marker	Mitochondrial Marker
Specificity/Sensitivity	This monoclonal antibody recognizes a 60kDa antigen associated with the mitochondria in cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. It recognizes an antigen associated with the mitochondria in cells from a wide variety of animals, but not insects and bacteria. It can be used to stain the 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 and may be used to stain mitochondria of cells in fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations.
Immunogen	Mitochondrial fraction of HeLa cells

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.25-0.5 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunohistochemistry-Frozen 0.5-1.0ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

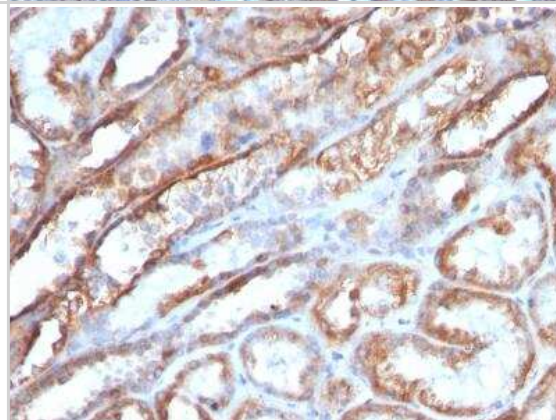


## Images

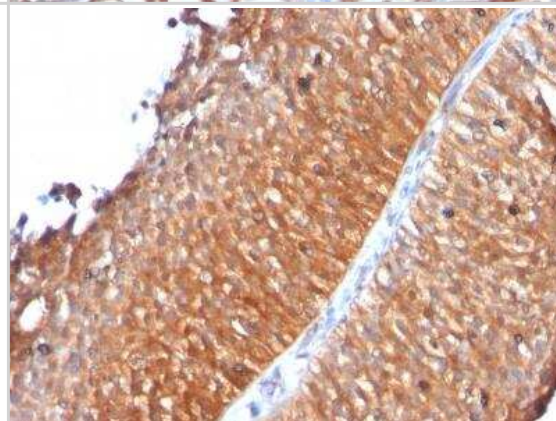
Immunohistochemistry-Paraffin: Mitochondria Antibody (MTC719) [NBP2-32873] - Formalin-fixed, paraffin-embedded human Pancreas stained with Mitochondria Monoclonal Antibody (MTC719).



Immunohistochemistry-Paraffin: Mitochondria Antibody (MTC719) [NBP2-32873] - Formalin-fixed, paraffin-embedded human Renal Cell Carcinoma stained with Mitochondria Monoclonal Antibody (MTC719).



Immunohistochemistry-Paraffin: Mitochondria Antibody (MTC719) [NBP2-32873] - Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with Mitochondria Monoclonal Antibody (MTC719).





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### **Products Related to NBP2-32873-0.1mg**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-29448	Mitochondria Isolation Kit

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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