

Product Datasheet

Mitochondria Antibody (MTC02)

NBP2-32982-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Publications: 4

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NBP2-32982-0.1mg

Mitochondria Antibody (MTC02)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	MTC02
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

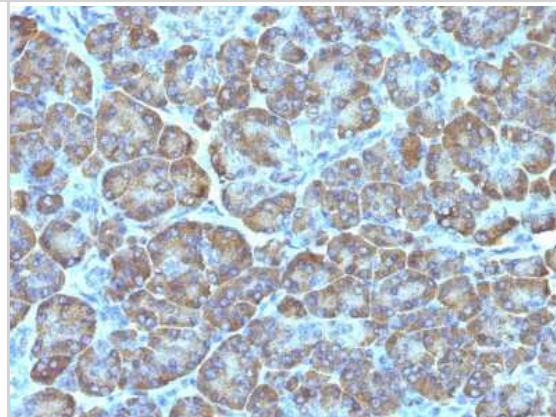
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-34686) Antibody with azide - store at 2 to 8C.
Host	Mouse
Species	Human, Rat (Negative)
Reactivity Notes	Does not react with Rat.
Marker	Marker for Human Cells
Specificity/Sensitivity	This monoclonal antibody recognizes a 60kDa antigen associated with the mitochondria in human cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. This monoclonal antibody recognizes an antigen associated with the mitochondria in human cells only. 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. This monoclonal antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells.
Immunogen	Semi-Purified mitochondrial preparation

Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Immunohistochemistry-Frozen 1:200-1:400
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues is enhanced by heating tissue sections in 1mM EDTA Buffer, pH 8.5-9.5, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

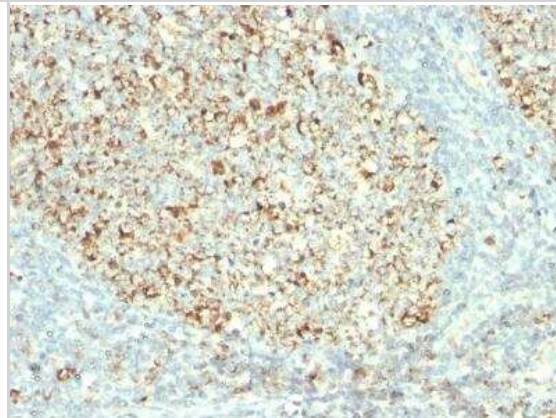


Images

Immunohistochemistry-Paraffin: Mitochondria Antibody (MTC02) [NBP2-32982] - Formalin-fixed, paraffin-embedded human Pancreas stained with Mitochondria Antibody (MTC02).



Immunohistochemistry-Paraffin: Mitochondria Antibody (MTC02) [NBP2-32982] - Formalin-fixed, paraffin-embedded human Tonsil stained with Mitochondria Monoclonal Antibody (MTC02).



Publications

Moreno S, Marioli C, Muzzi M et al. Caspase-dependent apoptosis in Riboflavin Transporter Deficiency iPSCs and derived motor neurons Research Square 2023-06-29 (ICC/IF, Human)

Details:

1:200 dilution

Nagasawa Y, Takei M, Iwata M et al. Human osteoclastogenesis in Epstein-Barr virus-induced erosive arthritis in humanized NOD/Shi--scid/IL-2R gamma null mice PloS one 2021-04-01 [PMID: 33793647] (ICC/IF, Mouse)

Boopathy AV, George A, Trac D et al. Age-Dependent Effect of Pediatric Cardiac Progenitor Cells After Juvenile Heart Failure. Stem Cells Transl Med. 2016-07-01 [PMID: 27151913] (IHC-P, Human)

Cueno ME, Saito Y, Ochiai K. Periodontal disease level-butyric acid amounts locally administered in the rat gingival mucosa induce ER stress in the systemic blood. Microb. Pathog. 2015-11-02 [PMID: 26541671]



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Products Related to NBP2-32982-0.1mg

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

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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