

Product Datasheet

Mitochondria Antibody (MTC02)

NBP2-32982-0.1mg

Unit Size: 0.1 mg

Store at 4C.

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-32982

Updated 7/28/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-32982



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

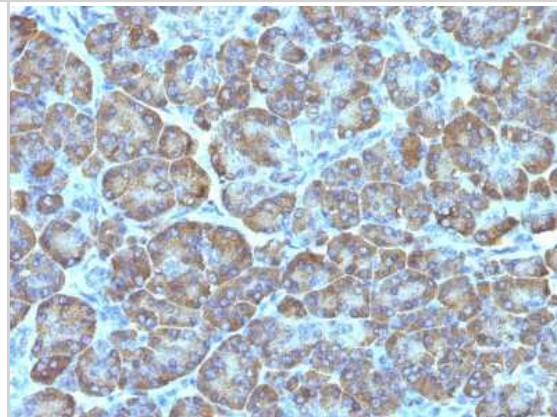
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0 mg/ml. (NBP2-34686) Antibody with azide - store at 2 to 8C.
Host	Mouse
Species	Human, Rat (Negative)
Reactivity 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.

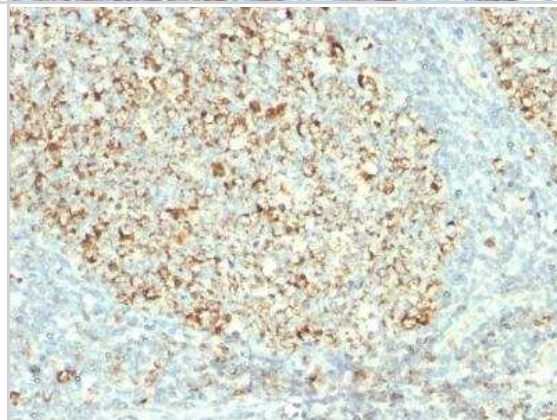


Images

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]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-32982

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

