

# Product Datasheet

## Mitochondria Antibody (AE-1) - IHC-Prediluted NBP2-48282

Unit Size: 7 ml

Store at 4C.

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Updated 5/5/2021 v.20.1

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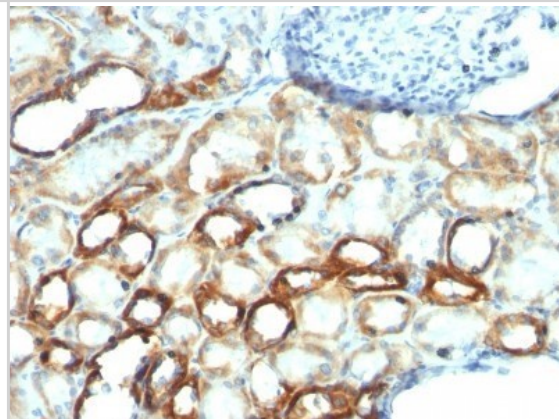


**NBP2-48282****Mitochondria Antibody (AE-1) - IHC-Prediluted**

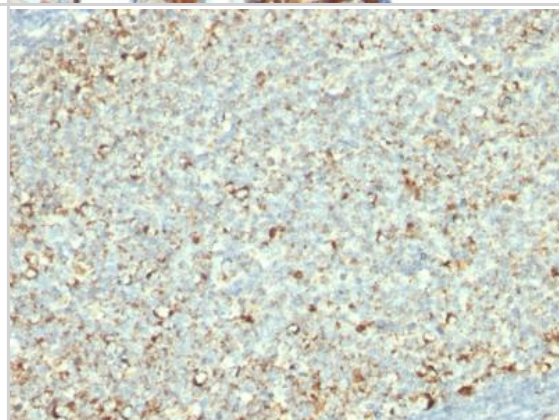
<b>Product Information</b>	
<b>Unit Size</b>	7 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	AE-1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA
<b>Target Molecular Weight</b>	60 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Human, Mouse (Negative), Rat (Negative)
<b>Reactivity Notes</b>	Does not react with Mouse or Rat.
<b>Marker</b>	Marker for Human Cells
<b>Specificity/Sensitivity</b>	This MAb 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. It 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 MAb is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells.
<b>Immunogen</b>	Semi-Purified mitochondrial preparation
<b>Notes</b>	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Application Notes</b>	Immunohistology (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes) The 7mL size is a pre-diluted size and no additional dilutions are required before using this item for the intended application.

**Images**

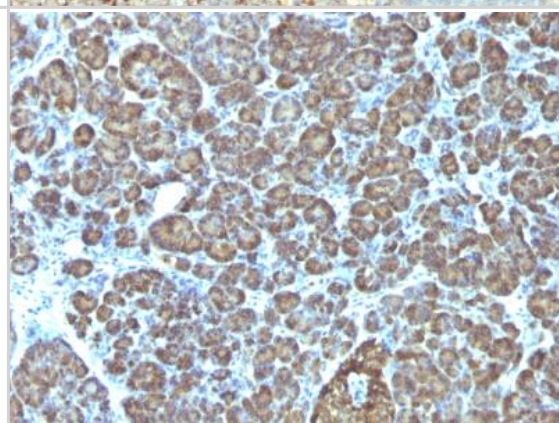
Immunohistochemistry-Paraffin: Mitochondria Antibody (AE-1) - IHC-Prediluted [NBP2-48282] - Human Tonsil stained with Mitochondria Monoclonal Antibody (AE-1).



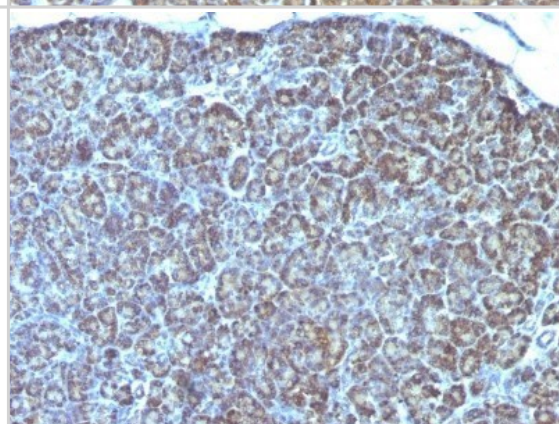
Immunohistochemistry-Paraffin: Mitochondria Antibody (AE-1) - IHC-Prediluted [NBP2-48282] - Human Tonsil stained with Mitochondria Mouse Monoclonal Antibody (AE-1).



Immunohistochemistry-Paraffin: Mitochondria Antibody (AE-1) - IHC-Prediluted [NBP2-48282] - Human Pancreas stained with Mitochondria Mouse Monoclonal Antibody (AE-1).



Immunohistochemistry-Paraffin: Mitochondria Antibody (AE-1) - IHC-Prediluted [NBP2-48282] - Human Pancreas stained with Mitochondria Monoclonal Antibody (AE-1).





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### **Products Related to NBP2-48282**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
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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