

# Product Datasheet

## Catalase Antibody (OTI1B8) - Azide and BSA Free **NBP2-70342**

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-70342****Catalase Antibody (OTI1B8) - Azide and BSA Free****Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI1B8
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Lyophilized from PBS (pH 7.3) with 8% Trehalose
<b>Target Molecular Weight</b>	59.6 kDa

**Product Description**

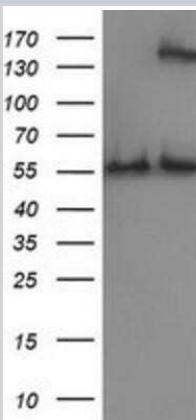
<b>Description</b>	Novus Biologicals Mouse Catalase Antibody (OTI1B8) - Azide and BSA Free (NBP2-00492) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	847
<b>Gene Symbol</b>	CAT
<b>Species</b>	Human, Mouse, Rat, Monkey, Primate
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
<b>Immunogen</b>	Full length human recombinant protein of human CAT (NP_111743) produced in HEK293T cell.

**Product Application Details**

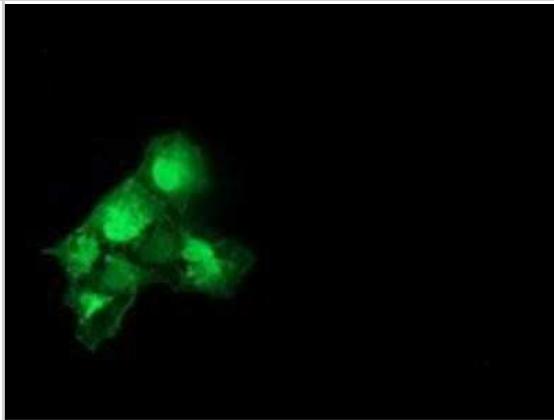
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
<b>Recommended Dilutions</b>	Western Blot 1:500-2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150, CyTOF-ready

## Images

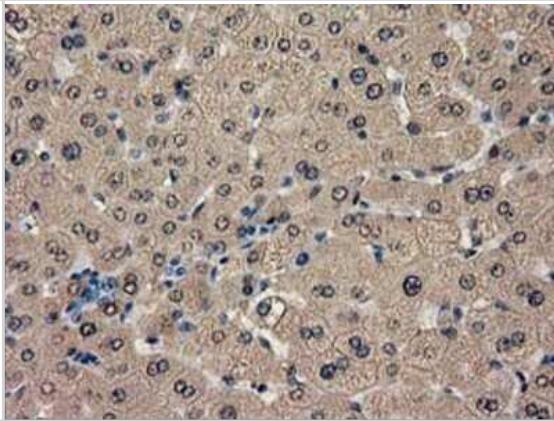
Western Blot: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Catalase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunobotted with anti-Catalase.



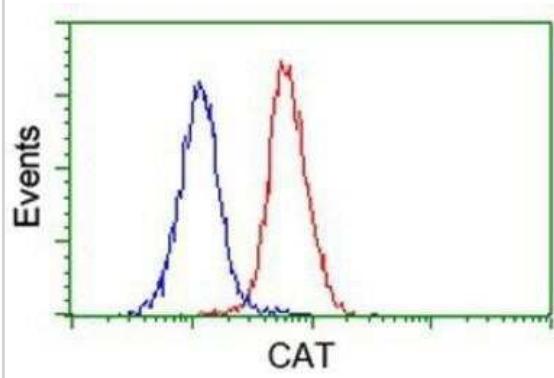
Immunocytochemistry/Immunofluorescence: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Catalase.



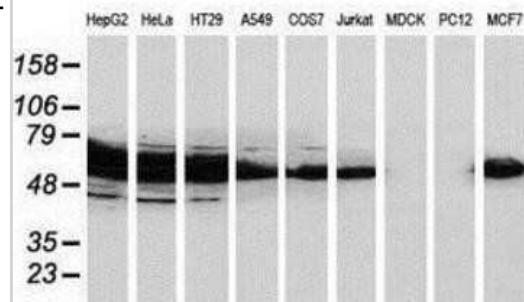
Immunohistochemistry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of paraffin-embedded Human liver tissue using anti-Catalase mouse monoclonal antibody.



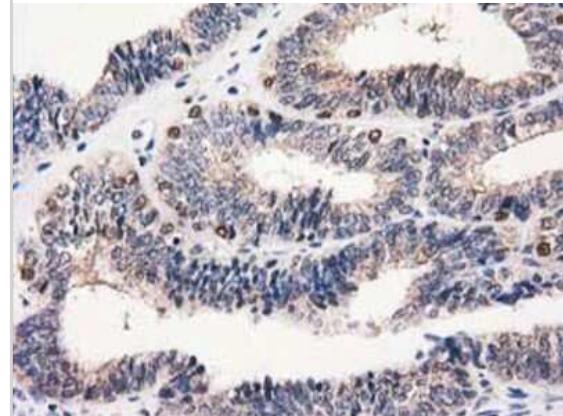
Flow Cytometry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Analysis of Jurkat cells, using anti-Catalase antibody, (Red), compared to a nonspecific negative control antibody (Blue).



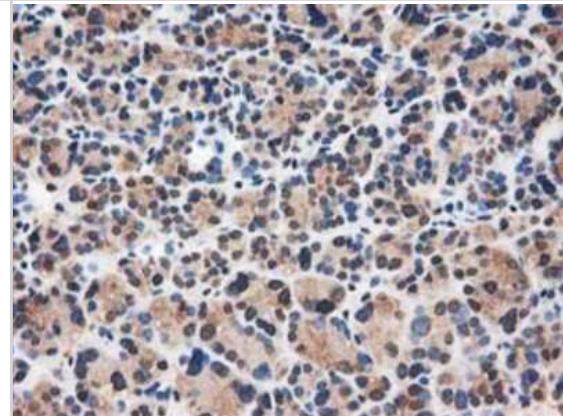
Western Blot: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Catalase monoclonal antibody.



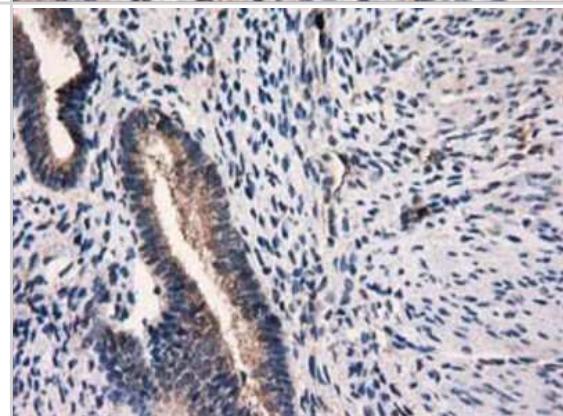
Immunohistochemistry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-Catalase mouse monoclonal antibody.



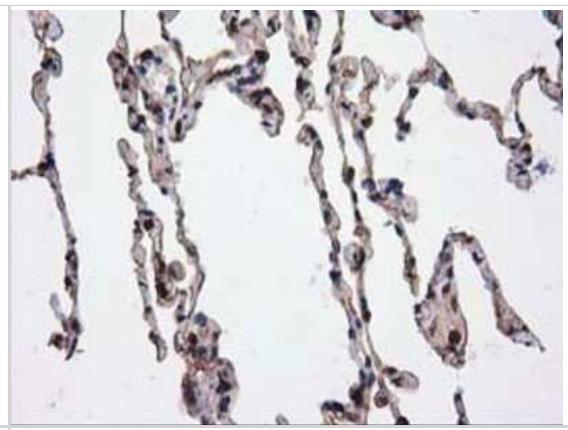
Immunohistochemistry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-Catalase mouse monoclonal antibody.



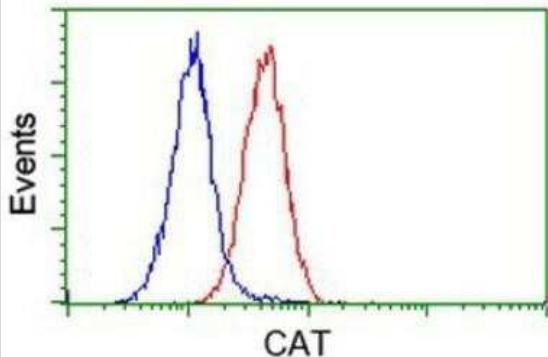
Immunohistochemistry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of paraffin-embedded Human endometrium tissue using anti-Catalase mouse monoclonal antibody.



Immunohistochemistry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Staining of paraffin-embedded Human lung tissue using anti-Catalase mouse monoclonal antibody.



Flow Cytometry: Catalase Antibody (OTI1B8) - Azide and BSA Free [NBP2-70342] - Analysis of HeLa cells, using anti-Catalase antibody, (Red), compared to a nonspecific negative control antibody (Blue).





## 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](http://www.novusbio.com)  
Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)  
Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)  
General: [novus@novusbio.com](mailto:novus@novusbio.com)

## Products Related to NBP2-70342

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-98907-100ug	Recombinant Human Catalase His Protein

## 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](http://www.novusbio.com/guarantee)

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