

Product Datasheet

Catalase Antibody NB100-79910

Unit Size: 0.1 ml

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

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NB100-79910

Catalase Antibody

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Purity	IgG purified
Buffer	49% PBS, 0.05% BSA and 50% Glycerol
Target Molecular Weight	60 kDa
Product Description	
Host	Rabbit
Gene ID	847
Gene Symbol	CAT
Species	Human, Mouse, Rat
Reactivity Notes	Reacts in Human, Mouse, Rat.
Marker	Peroxisome Marker
Immunogen	A synthetic peptide corresponding to residues near the N-terminus of human catalase was used as an immunogen.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 1:10, Immunohistochemistry-Paraffin 1:100-250
Application Notes	This product is useful for: Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry, Immunoprecipitation. In Western blot this antibody detects a band at approximately 60kDa.

Publications

Son YO, Pratheeshkumar P, Divya SP et al. Nuclear factor erythroid 2-related factor 2 enhances carcinogenesis by suppressing apoptosis and promoting autophagy in nickel-transformed cells. *J. Biol. Chem.* 2017-03-22 [PMID: 28330870] (WB)

Lee WH, Higuchi H, Ikeda S et al. Mouse Tmem135 mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. *Elife.* 2016-11-15 [PMID: 27863209] (WB, Mouse)

Son YO, Poyil P, Roy RV et al. Nrf2/p62 Signaling in Apoptosis Resistance and Its Role in Cadmium-induced Carcinogenesis *J. Biol. Chem.* 2014-08-25 [PMID: 25157103]

Quintero M, Gonzalez-Martin MD, Vega-Agapito V et al. The effects of intermittent hypoxia on redox status, NFkB activation, and plasma lipid levels are dependent on the lowest oxygen saturation. *Free Radic Biol Med.* 2013-08-31 [PMID: 24002010] (WB, Rat)

Chan JK, Charrier JG, Kodani SD et al. Combustion-derived flame generated ultrafine soot generates reactive oxygen species and activates Nrf2 antioxidants differently in neonatal and adult rat lungs. *Part Fibre Toxicol* 2013-08-01 [PMID: 23902943] (WB, Rat)

Toutzaris D, Lewerenz J, Albrecht P et al. A novel giant peroxisomal superoxide dismutase motif-containing protein. *Free Radic Biol Med* 2010-03-01 [PMID: 20045724]

Mitropoulos D, Patris E, Deliconstantinos G et al. Terazosin-induced alterations in catalase expression and lipid peroxidation in the rat seminal vesicles *Andrologia* 2012-06-26 [PMID: 22731390] (IF/IHC, Rat)

Wang X, Son YO, Chang Q, Sun L, Hitron JA, Budhraj A, Zhang Z, Ke Z, Chen F, Luo J, Shi X. NADPH oxidase activation is required in reactive oxygen species generation and cell transformation induced by hexavalent chromium. *Toxicol Sci*;123(2):399-410. 2011-10-01 [PMID: 21742780] (WB, Human)

Wang X, Mandal AK, Saito H, Pulliam JF, Lee EY, Ke ZJ, Lu J, Ding S, Li L, Shelton BJ, Tucker T, Evers BM, Zhang Z, Shi X. Arsenic and chromium in drinking water promote tumorigenesis in a mouse colitis-associated colorectal cancer model and the potential mechanism is ROS-mediated Wnt/beta-catenin signaling pathway. *Toxicol Appl Pharmacol.* 2012-04-19 [PMID: 22552367] (WB, Mouse)





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

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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