

Product Datasheet

Methionine Sulfoxide Antibody

NBP1-06707

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-06707**Methionine Sulfoxide Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Unpurified
Buffer	Whole antisera
Product Description	
Host	Rabbit
Species	Human, Mouse, Rat, Yeast
Specificity/Sensitivity	Specific for all methionine sulfoxide containing proteins and peptides.
Immunogen	Oxidized methionine rich zein protein from Zea mays
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:100
Application Notes	This antibody is useful for Western blot. The size of the band is dependent on the size of the protein that has undergone methionine oxidation. It has also been used for immunohistochemistry on paraffin sections (rat brain with heat mediated antigen retrieval). Immunocytochemistry/Immunofluorescence was reported in scientific literature.

Publications

- Doronina VA, Staniforth GL. Oxidative stress conditions increase the frequency of de novo formation of the yeast [PSI⁺] prion Mol Microbiol 2015-01-21 [PMID: 25601439]
- Riban V, Meunier J, Buttigieg D Et Al. In Vitro and In Vivo Neuroprotective Effects of Etifoxine in beta-amyloid-Induced Toxicity Models CNS Neurol Disord Drug Targets 2020-06-01 [PMID: 32479250]
- Minniti AN, Arriagada H, Zuniga S et al. Temporal pattern of neuronal insulin release during Caenorhabditis elegans aging: Role of redox homeostasis. Aging Cell. 2018-11-19 [PMID: 30456853] (WB, C. elegans)
- Gupta V, Mirzaei M, Gupta VB et al. Glaucoma is associated with plasmin proteolytic activation mediated through oxidative inactivation of neuroserpin Sci Rep 2017-08-21 [PMID: 28827627] (WB, Human)
- Gostimskaya I, Grant CM. Yeast mitochondrial glutathione is an essential antioxidant with mitochondrial thioredoxin providing a back-up system. Free Radic. Biol. Med. 2016-02-17 [PMID: 26898146] (WB, Yeast)
- Callizot N, Combes M, Steinschneider R, Poindron P. Operational dissection of beta-amyloid cytopathic effects on cultured neurons. J Neurosci Res 2013-05-01 [PMID: 23404368] (ICC/IF)
- Nakaso K, Tajima N, Ito S et al. Dopamine-Mediated Oxidation of Methionine 127 in alpha-Synuclein Causes Cytotoxicity and Oligomerization of alpha-Synuclein. PLoS One 2013-01-01 [PMID: 23457458] (WB, Rat)
- Salama SA, Snapka RM. Amino Acid chloramine damage to proliferating cell nuclear antigen in Mammalian cells In Vivo 2012-07-01 [PMID: 22773562]
- Sideri TC, Koloteva-Levine N, Tuite MF, Grant CM. Methionine oxidation of Sup35 induces formation of the [PSI⁺] prion in a yeast peroxiredoxin mutant. J Biol Chem. 2011-08-09 [PMID: 21832086]





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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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