

Product Datasheet

Cathepsin D Antibody (CTD-19) NB600-1295

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB600-1295

Cathepsin D Antibody (CTD-19)

Product Information

Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CTD-19
Preservative	0.9% Sodium Azide
Isotype	IgG2a
Purity	Unpurified
Buffer	Ascites

Product Description

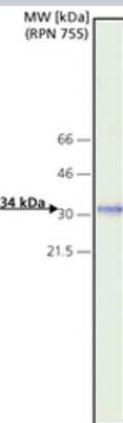
Host	Mouse
Gene ID	1509
Gene Symbol	CTSD
Species	Human
Reactivity Notes	Not yet tested in other species.
Marker	Lysosomes Marker
Specificity/Sensitivity	Recognizes cathepsin D (34 kDa and weaker band at 52 kDa) in immunoblotting. Does not react with bovine cathepsin D and B, or with human cathepsin types B, C, G or H.
Immunogen	Human liver cathepsin D.

Product Application Details

Applications	Western Blot, ELISA, Electron Microscopy, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Microarray
Recommended Dilutions	Western Blot 1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:200, Electron Microscopy, Microarray
Application Notes	May be useful in Electron Microscopy, as reported in literature (PMID: 21264221), and ICC/IF (PMID: 21264221; 21264228). Immunocytochemistry/Immunofluorescence and Electron Microscopy were reported in scientific literature.

Images

Western Blot: Cathepsin D Antibody (NB600-1295) - WB analysis of MCF7 Human breast carcinoma cells were separated on SDS-PAGE and probed with Monoclonal AB to Cathepsin D (NB600-1295) at 1/4,000. The antibody was developed with AlkPhos APA mouse Fab ads IgG conjugate (Cat. No. A1293) and a NBT/BCIP substrate.



Publications

Wong WJ, Qiu B, Nakazawa MS et al. MYC Degradation Under Low O₂ Tension Promotes Survival by Evading Hypoxia-Induced Cell Death. *Mol Cell Biol* 2013-07-01 [PMID: 23816886] (ICC/IF, Human)

Kitamura N, Nakamura Y, Miyamoto Y et al. Mieap, a p53-inducible protein, controls mitochondrial quality by repairing or eliminating unhealthy mitochondria *PLoS One* 2011-01-17 [PMID: 21264228] (EM, ICC/IF, Human)

Nakamura Y, Kitamura N, Shinogi D et al. BNIP3 and NIX Mediate Mieap-Induced Accumulation of Lysosomal Proteins within Mitochondria. *PLoS One*. 2012-01-26 [PMID: 22292033]

Miyamoto T, Kitamura N, Ono M et al. Identification of 14-3-3gamma as a Mieap-interacting protein and its role in mitochondrial quality control. *Sci Rep*. 2012-04-24 [PMID: 22532927] (WB, Human)



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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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