

Product Datasheet

Ubiquilin 2 Antibody - BSA Free NBP1-85639

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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Publications: 7

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NBP1-85639

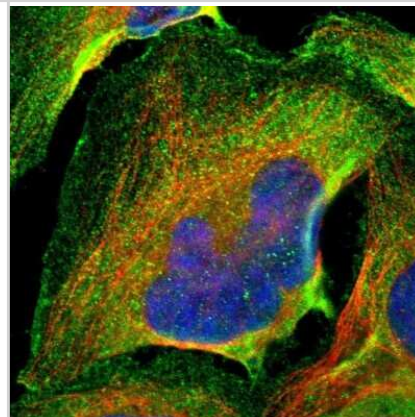
Ubiquilin 2 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Rabbit Ubiquilin 2 Antibody - BSA Free (NBP1-85639) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-Ubiquilin 2 Antibody: Cited in 7 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	29978
Gene Symbol	UBQLN2
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (86%). Mouse reactivity reported in scientific literature (PMID: 26141599), (PMID: 26152284).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LSAMSNPRAMQALMQIQQLQTLATEAPGLIPSFTPGVGVGVLTGAIGPVGVPV TPIGPIGPVFTPIGPIGPIGTGPAAPPGSTGSGGPTGPTVSSAAPSETTSPTS ESGPNQQFIQQMVQALAGANAPQLPNPEVRFQQQLEQLN
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:20, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	ICC/IF reported in the literature (PMID:26152284). ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. IHC-Paraffin HIER pH6 retrieval is recommended. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in RT-4 and U-251MG, separated by Size, antibody dilution of 1:20, apparent MW was 72 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

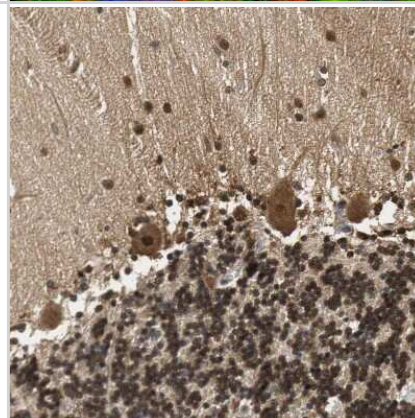


Images

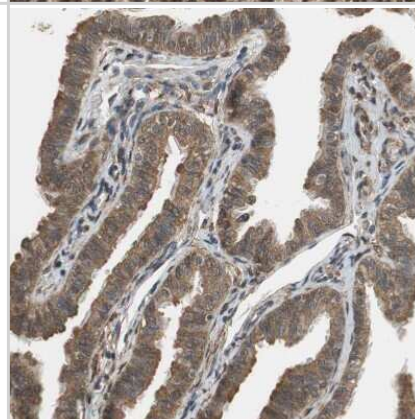
Immunocytochemistry/Immunofluorescence: Ubiquilin 2 Antibody [NBP1-85639] - Staining of human cell line U-2 OS shows localization to plasma membrane & cytosol. Antibody staining is shown in green.



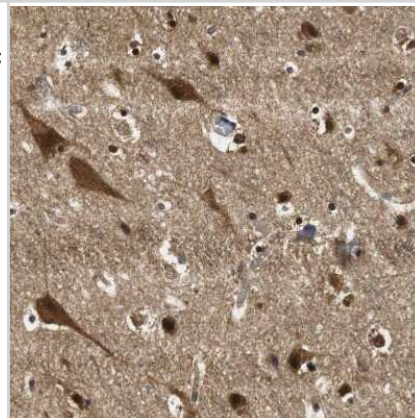
Immunohistochemistry-Paraffin: Ubiquilin 2 Antibody [NBP1-85639] - Staining of human cerebellum shows moderate to strong cytoplasmic and nuclear positivity in Purkinje cells.



Immunohistochemistry-Paraffin: Ubiquilin 2 Antibody [NBP1-85639] - Staining of human fallopian tube shows weak to moderate cytoplasmic positivity in glandular cells.



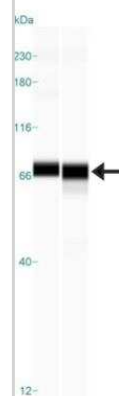
Immunohistochemistry-Paraffin: Ubiquilin 2 Antibody [NBP1-85639] - Staining of human cerebral cortex shows moderate to strong cytoplasmic positivity in neurons and glial cells.



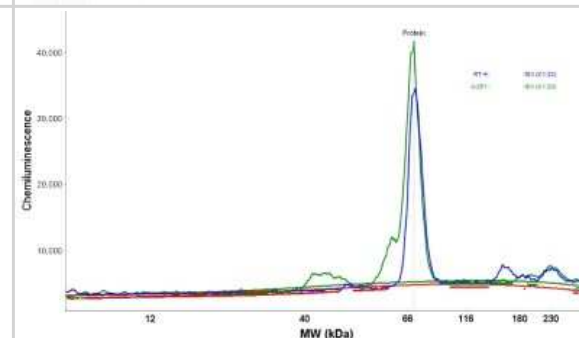
Immunohistochemistry-Paraffin: Ubiquilin 2 Antibody [NBP1-85639] - Staining of human placenta shows moderate to strong cytoplasmic positivity in cytotrophoblast.



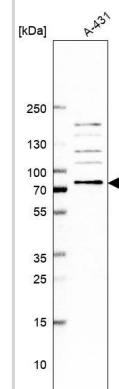
Simple Western: Ubiquilin 2 Antibody [NBP1-85639] - Simple Western lane view shows a specific band for Ubiquilin 2 in 0.2 mg/ml of RT-4 (Left) and U-251MG (Right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: Ubiquilin 2 Antibody [NBP1-85639] - Electropherogram image(s) of corresponding Simple Western lane view. Ubiquilin 2 antibody was used at 1:20 dilution on RT-4 and U-251MG lysate(s).



Analysis in human cell line A-431.



Publications

Idera, A;Sharkey, LM;Kurauchi, Y;Kadoyama, K;Paulson, HL;Katsuki, H;Seki, T; Wild-type and pathogenic forms of ubiquilin 2 differentially modulate components of the autophagy-lysosome pathways *Journal of pharmacological sciences* 2023-07-01 [PMID: 37257946] (Western Blot, Human)

Sharkey LM, Sandoval-Pistorius SS, Moore SJ et al. Modeling UBQLN2-mediated neurodegenerative disease in mice: Shared and divergent properties of wild type and mutant UBQLN2 in phase separation, subcellular localization, altered proteostasis pathways, and selective cytotoxicity *Neurobiol. Dis.* 2020-07-10 [PMID: 32653673] (WB, ICC/IF, Mouse)

Sharkey LM, Safren N, Pithadia AS et al. Mutant UBQLN2 promotes toxicity by modulating intrinsic self-assembly. *Proc. Natl. Acad. Sci. U.S.A.* 2018-10-30 [PMID: 30333186] (WB, ICC/IF, Mouse)

Yau RG, Doerner K, Castellanos ER et al. Assembly and Function of Heterotypic Ubiquitin Chains in Cell-Cycle and Protein Quality Control. *Cell.* 2017-10-11 [PMID: 29033132] (WB)

Ceballos-Diaz C, Rosario AM, Park HJ et al. Viral expression of ALS-linked ubiquilin-2 mutants causes inclusion pathology and behavioral deficits in mice. *Mol Neurodegener* 2015-07-08 [PMID: 26152284] (ICC/IF, Mouse)

Zeng L, Wang B, Merillat SA et al. Differential recruitment of UBQLN2 to nuclear inclusions in the polyglutamine diseases HD and SCA3 *Neurobiol. Dis.* 2015-06-30 [PMID: 26141599] (IHC-P, WB, Human, Mouse)

Bieniek KF, Murray ME, Rutherford NJ et al. Tau pathology in frontotemporal lobar degeneration with C9ORF72 hexanucleotide repeat expansion. *Acta Neuropathol.* 2012-09-28 [PMID: 23053135] (IF/IHC, ICC/IF, Human)





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Products Related to NBP1-85639

NBP1-85639PEP	Ubiquilin 2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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