

Product Datasheet

UBR2 Antibody NBP1-45243

Unit Size: 0.1 mg

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

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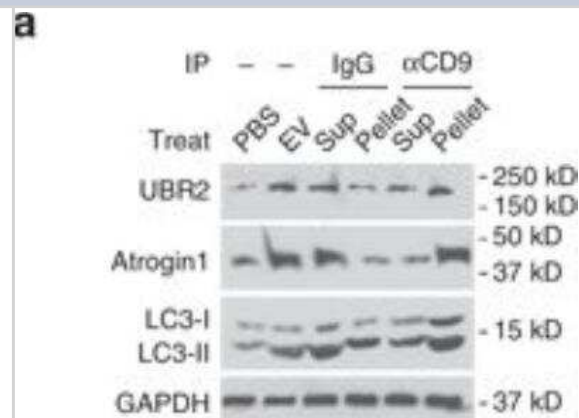
NBP1-45243

UBR2 Antibody

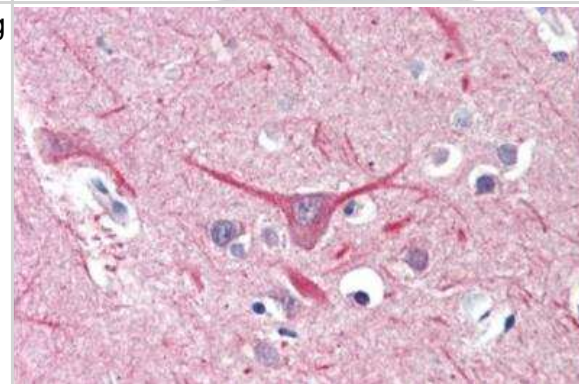
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Product Description	
Description	Novus Biologicals Goat UBR2 Antibody (NBP1-45243) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-UBR2 Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	23304
Gene Symbol	UBR2
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 28740232). Mouse reactivity reported in scientific literature (PMID: 27897407).
Immunogen	Peptide with sequence SCPKSGGDKSRAPT corresponding to internal region according to NP_056070.1.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Preliminary experiments gave bands at approx. 150 kDa band in rat testis lysates after 0.01 ug/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 199 kDa band according to rat NP_001171542.1. The detected band was successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).

Images

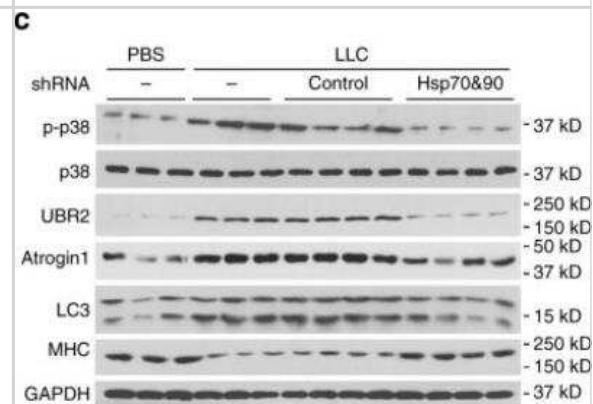
Western Blot: UBR2 Antibody [NBP1-45243] - CD9-positive EVs induce catabolic response in C2C12 myotubes. EVs isolated from LCM were subjected to immunoprecipitation (IP) against CD9 with pre-immune IgG as control. Resulted pellet and supernatant (Sup) were used to treat C2C12 myotubes and compared with PBS and input EVs for catabolic activity using western blotting. Data (n=3) were analyzed by analysis of variance (ANOVA) and * denotes a difference from PBS treatment (P<0.05). Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41467-017-00726-x](https://www.nature.com/articles/s41467-017-00726-x)), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: UBR2 Antibody [NBP1-45243] - Staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



UBR2 Antibody [NBP1-45243] - Hsp70 and 90-deficient LLC tumor does not induce muscle catabolism in mice. TA of mice derived from b was analyzed by western blotting for markers of catabolic pathways. Data (n=6) were analyzed by ANOVA. * denotes a difference (P<0.05). Image collected and cropped by CiteAb from the following publication ([nature.com/articles/s41467-017-00726-x](https://www.nature.com/articles/s41467-017-00726-x)), licensed under a CC-BY license.



Publications

Liu Z, Xiong J, Gao S et al. Ameliorating cancer cachexia by inhibiting cancer cell release of Hsp70 and Hsp90 with omeprazole *Journal of Cachexia, Sarcopenia and Muscle* 2022-02-01 [PMID: 34729960]

Wu HY, Trevino JG, Fang BL et al. Patient-Derived Pancreatic Cancer Cells Induce C2C12 Myotube Atrophy by Releasing Hsp70 and Hsp90 Cells 2022-09-03 [PMID: 36078164]

Shi X, Yang J, Liu M et al. Circular RNA ANAPC7 inhibits tumor growth and muscle wasting via PHLPP2-AKT-TGF-beta signaling axis in pancreatic cancer *Gastroenterology* 2022-02-14 [PMID: 35176309] (WB, Mouse)

Sin, T K, Zhang, G Et al. Cancer-induced muscle wasting requires p38beta MAPK activation of p300. *Cancer Res* 2020-12-22 [PMID: 33355181] (Chemotaxis, Human)

Liu Zhelong, Sin Ka Wai Thomas, Ding Hui et al. p38 beta MAPK mediates ULK1-dependent induction of autophagy in skeletal muscle of tumor-bearing mice. *Cell Stress* 2018-10-10 [PMID: 31225455] (WB, Mouse)

Li YP, Sin TK, Zhu JZ, Zhang G. p300 mediates muscle wasting in Lewis lung carcinoma *Cancer Res.* 2019-01-31 [PMID: 30705122] (WB, Mouse)

Zhang Guohua, Liu Zhelong, Ding Hui et al. Toll-like receptor 4 mediates Lewis lung carcinoma-induced muscle wasting via coordinate activation of protein degradation pathways. *Scientific Reports* 2017-01-01 [PMID: 28536426] (WB, Mouse)

Zhang G, Liu Z, Ding H et al. Tumor induces muscle wasting in mice through releasing extracellular Hsp70 and Hsp90 *Nat Commun* 2017-09-19 [PMID: 28928431] (WB, Mouse)

Cha-Molstad H, Yu JE, Feng Z et al. p62/SQSTM1/Sequestosome-1 is an N-recogin of the N-end rule pathway which modulates autophagosome biogenesis *Nat Commun* 2017-07-24 [PMID: 28740232] (WB, Human)

Ding H, Zhang G, Sin KW et al. Activin A induces skeletal muscle catabolism via p38beta mitogen activated protein kinase *J Cachexia Sarcopenia Muscle* 2016-07-25 [PMID: 27897407] (WB, Mouse)

Zenker M, Mayerle J, Lerch MM et al. Deficiency of UBR1, a ubiquitin ligase of the N-end rule pathway, causes pancreatic dysfunction, malformations and mental retardation (Johanson-Blizzard syndrome). *Nat Genet* 2005-12-01 [PMID: 16311597]

Zhang G, Lin RK, Kwon YT, Li YP. Signaling mechanism of tumor cell-induced up-regulation of E3 ubiquitin ligase UBR2 *FASEB J* 2013-04-08 [PMID: 23568773] (WB, Mouse)



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Products Related to NBP1-45243

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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