

Product Datasheet

ORP150/HSP12A Antibody - BSA Free NBP1-32140

Unit Size: 0.1 ml

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

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NBP1-32140

ORP150/HSP12A 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	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	111 kDa

Product Description

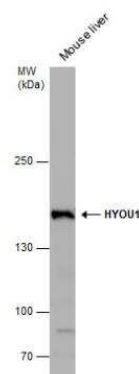
Description	Novus Biologicals Rabbit ORP150/HSP12A Antibody - BSA Free (NBP1-32140) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-ORP150/HSP12A Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10525
Gene Symbol	HYOU1
Species	Human, Mouse, Rat, Plant
Reactivity Notes	Bovine (88%).
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of human ORP150/HSP12A. The exact sequence is proprietary.

Product Application Details

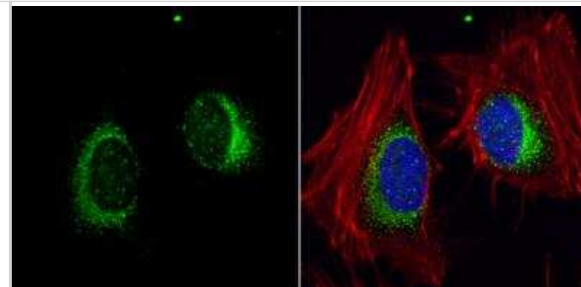
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000

Images

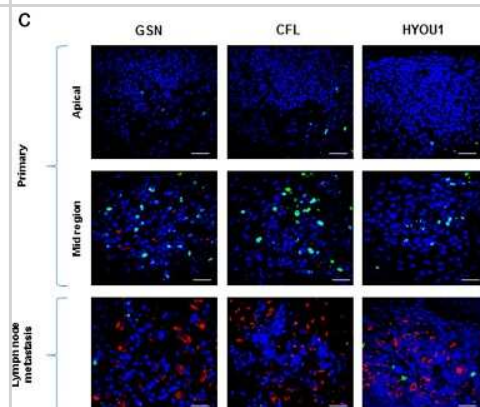
Western Blot: ORP150/HSP12A Antibody [NBP1-32140] - Mouse tissue extracts (50 ug) was separated by 5% SDS-PAGE, and blotted with ORP150 antibody diluted by 1:500. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



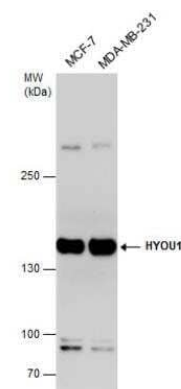
Immunocytochemistry/Immunofluorescence: ORP150/HSP12A Antibody [NBP1-32140] - HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: ORP150 protein stained by ORP150 antibody [C2C3], C-term diluted at 1:200. Red: phalloidin, a cytoskeleton marker, stained by phalloidin (invitrogen, A12380) diluted at 1:200. Blue: Hoechst 33342 staining.



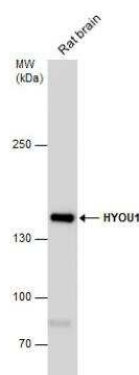
Immunohistochemistry-Paraffin: ORP150/HSP12A Antibody [NBP1-32140] - Meta-analysis of significant metastatic upregulated proteins in acid exosomes through Prognoscan. Confocal immunofluorescence analysis with the indicated antibodies on primary (apical and mid region), and metastatic melanoma biopsies from the same patient. Ki67 labeling was used as internal control. Red, CFL, GSN, HYOU1; blue, DAPI; green, Ki67. Bar 50 um Image collected and cropped by CiteAb from the following publication (<https://jeccr.biomedcentral.com/articles/10.1186/s13046-018-0915-z>), licensed under a CC-BY license.



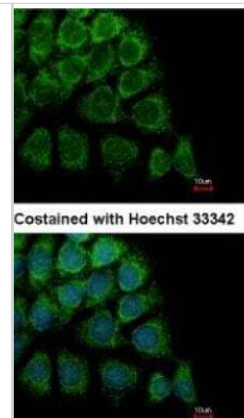
Western Blot: ORP150/HSP12A Antibody [NBP1-32140] - Various whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and blotted with ORP150 antibody diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



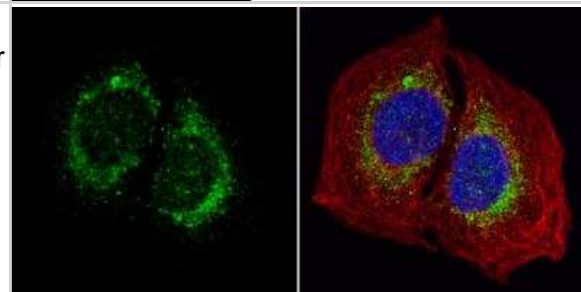
Western Blot: ORP150/HSP12A Antibody [NBP1-32140] - Rat tissue extracts (50 ug) was separated by 5% SDS-PAGE, and blotted with ORP150 antibody diluted by 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



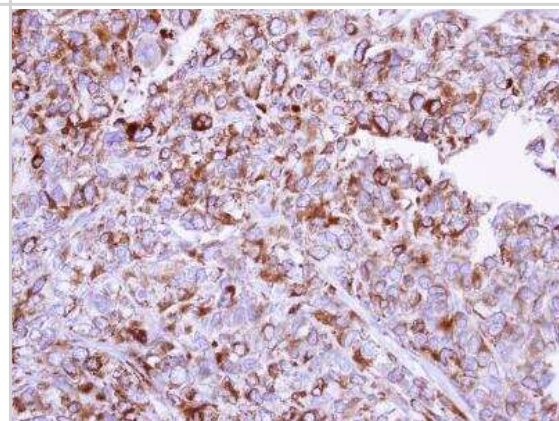
Immunocytochemistry/Immunofluorescence: ORP150/HSP12A Antibody [NBP1-32140] - Analysis of methanol-fixed Hep3B, using antibody at 1:500 dilution.



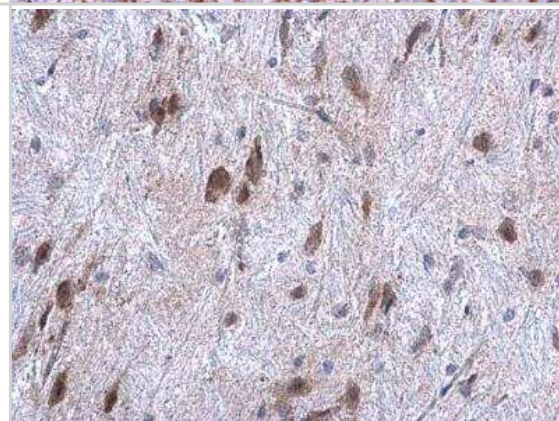
Immunocytochemistry/Immunofluorescence: ORP150/HSP12A Antibody [NBP1-32140] - U2OS cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: ORP150 protein stained by ORP150 antibody [C2C3], C-term diluted at 1:1000. Red: alpha Tubulin, a cytoskeleton marker, stained by alpha Tubulin antibody [114] diluted at 1:1000. Blue: Hoechst 33342 staining.



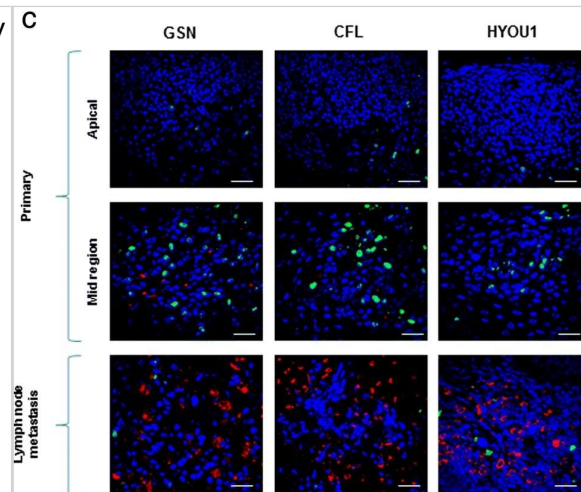
Immunohistochemistry-Paraffin: ORP150/HSP12A Antibody [NBP1-32140] - Paraffin-embedded CL1-0 xenograft, using antibody at 1:100 dilution.



Immunohistochemistry-Paraffin: ORP150/HSP12A Antibody [NBP1-32140] - Paraffin-embedded mouse fore brain. ORP150 antibody [C2C3], C-term diluted at 1:500.



Immunocytochemistry/ Immunofluorescence: ORP150/HSP12A Antibody [NBP1-32140] - Meta-analysis of significant metastatic upregulated proteins in acid exosomes through Prognoscan. a Kaplan-Meyer curves depicting the Overall Survival of metastatic melanoma patients with high (red lines) or low (green lines) expression of the genes listed in Table 1 that resulted statistically significant. Mentel-Cox p-values for each plot are showed. b Western blotting analysis of ctr & pH 6.0 exosomes (20 µg). Cell lysate was used as positive control. Expression of CFL, GSN & HSP90αβ is shown. Ponceau red is shown for equal exosome protein amount. c confocal immunofluorescence analysis with the indicated antibodies on primary (apical & mid region), & metastatic melanoma biopsies from the same patient. Ki67 labeling was used as internal control. Red, CFL, GSN, HYOU1; blue, DAPI; green, Ki67. Bar 50 µm Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/30290833>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Boussadia Z, Lamberti J, et al. Acidic microenvironment plays a key role in human melanoma progression through a sustained exosome mediated transfer of clinically relevant metastatic molecules. J Exp Clin Cancer Res 2018-10-05 [PMID: 30290833] (IF/IHC, Human)



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Products Related to NBP1-32140

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00010525-P01-10ug	Recombinant Human ORP150/HSP12A GST (N-Term) Protein

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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