

Product Datasheet

UBXN7 Antibody - BSA Free

NBP2-22223

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP2-22223

UBXN7 Antibody - BSA Free

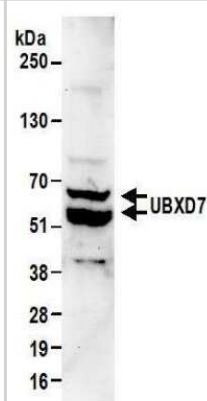
| Product Information | |
|---------------------|---------------------------------------|
| Unit Size | 100 ul |
| Concentration | 1.0 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Polyclonal |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Immunogen affinity purified |
| Buffer | Tris-Citrate/Phosphate (pH 7.0 - 8.0) |

| Product Description | |
|---------------------|---|
| Description | Novus Biologicals Rabbit UBXN7 Antibody - BSA Free (NBP2-22223) is a polyclonal antibody validated for use in WB and IP. Anti-UBXN7 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 26043 |
| Gene Symbol | UBXN7 |
| Species | Human, Mouse |
| Immunogen | The immunogen this antibody was made to, maps to a region between residue 439 and 489 of human UBX domain protein 7 using the numbering given in entry NP_056377.1 (GeneID 26043). |

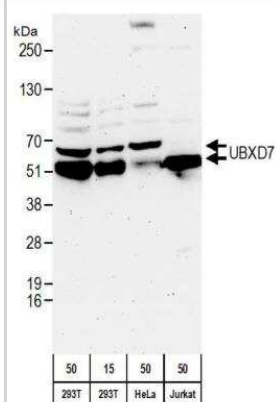
| Product Application Details | |
|-----------------------------|--|
| Applications | Western Blot, Immunoprecipitation |
| Recommended Dilutions | Western Blot 1:2000 - 1:10000, Immunoprecipitation 2 - 10 ug/mg lysate |
| Application Notes | Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE. |

Images

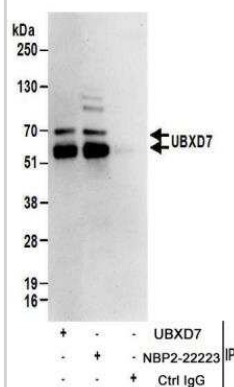
Western Blot: UBXN7 Antibody [NBP2-22223] - Detection of mouse UBXD7 by western blot. Samples: Whole cell lysate (50 ug) from mouse NIH 3T3 cells. Antibodies: Affinity purified rabbit anti-UBXD7 antibody NBP2-22223 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



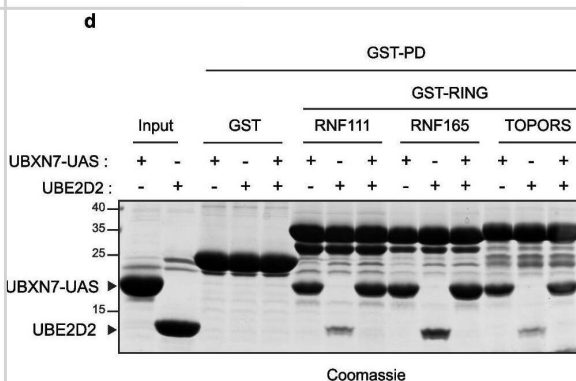
Western Blot: UBXM7 Antibody [NBP2-22223] - Whole cell lysate from 293T (15 and 50 ug), HeLa (H; 50 ug), and Jurkat (J; 50 ug) cells. Antibody used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



Immunoprecipitation: UBXM7 Antibody [NBP2-22223] - Whole cell lysate (1 mg for IP; 20% of IP loaded) from 293T cells. Antibodies: NBP2-22223 used for IP at 6 ug/mg lysate. UBXM7 was also immunoprecipitated by rabbit anti-UBXM7 antibody. For blotting immunoprecipitated UBXM7, NBP2-22223 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



TOPORS is another E3 regulated by the UAS domain of UBXM7. a GFP-UBXM7-UAS versus GFP Interactome. Cell lysate from HEK-293 cells transfected with GFP or GFP-UBXM7-UAS were subjected to GFP-Trap affinity purification and co-immunoprecipitated proteins were subsequently identified using quantitative label-free mass spectrometry. Volcano plot illustrating the distribution of the proteins significantly enriched (fold change ≥ 2 , p value ≤ 0.05 , n = 5) in GFP-UBXM7-UAS compared to GFP (-Log₁₀ (adj p value), y-axis; log₂ fold change GFP-UBXM7-UAS/GFP, x-axis). b, c TOPORS binds to UBXM7-UAS. HEK-293 cellular extracts (b) or HEK-293 cellular extracts from cells transfected with Flag-TOPORS-Nter-WT or Flag-TOPORS-Nter-C103A (c) were pulled down with the indicated GST-UBXM7 constructs and analyzed by western blotting along with the corresponding cellular extracts (input). The amount of GST proteins in each condition was revealed by stain-free as a control. d The UAS domain competes with UBE2D2 for binding to TOPORS RING domain. GST pull-down (GST-PD) of the indicated GST-RING domains with UBE2D2, in the presence or not of UBXM7-UAS. The proteins were revealed on acrylamide gel by Coomassie staining. e The UAS domain inhibits free ubiquitin chain formation induced by TOPORS RING domain in vitro. Recombinant TOPORS RING domain was incubated at 37 C for 1 h in the presence of UBE1 (E1), UBE2D2 (E2), ubiquitin (UB), and 1 ×, 5 ×, or 10 × molar excess of recombinant UBXM7-UAS (UAS). Free ubiquitin chain formation was revealed by western blotting using an anti-ubiquitin (anti-UB) antibody Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37024974>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Amhaz S, Boëda B, Chouchène M et al. The UAS thioredoxin-like domain of UBXM7 regulates E3 ubiquitin ligase activity of RNF111/Arkadia BMC biology 2023-04-07 [PMID: 37024974] (WB)



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Products Related to NBP2-22223

| | |
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| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit 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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