Product Datasheet

USP37 Antibody
NB110-40709

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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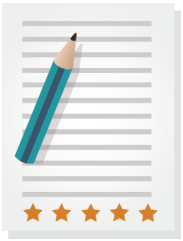


NB110-40709

USP37 Antibody

Product Information

Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

Product Description

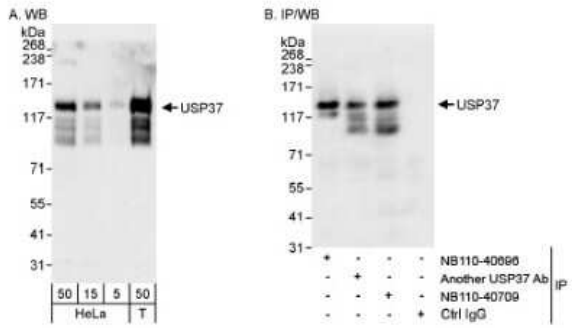
Description	Novus Biologicals Rabbit USP37 Antibody (NB110-40709) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-USP37 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	57695
Gene Symbol	USP37
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 930 and the C-terminus (residue 979) of human Ubiquitin Specific Peptidase 37 using the numbering given in entry NP_065986.1 (GeneID 57695).

Product Application Details

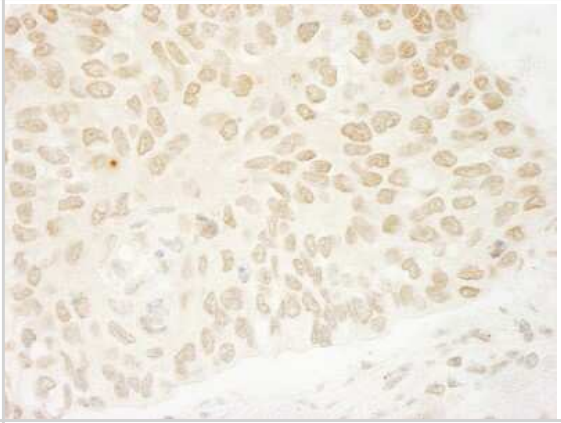
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100 - 1:500, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections.

Images

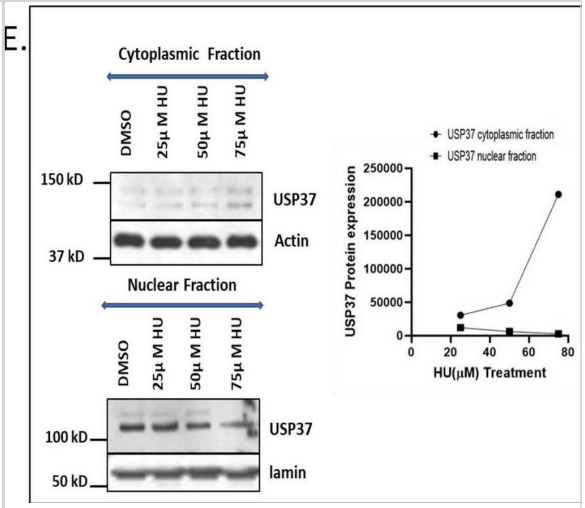
Western Blot: USP37 Antibody [NB110-40709] - Detection of Human USP37 on HeLa whole cell lysate using NB110-40709. USP37 was also immunoprecipitated by rabbit anti-USP37 antibody NB110-40696.



Immunohistochemistry: USP37 Antibody [NB110-40709] - Sample: FFPE section of human non-small cell lung cancer. Antibody: Affinity purified rabbit anti- USP37 used at a dilution of 1:200 (1ug/ml). Detection: DAB



Overexpression of USP37 leads to enhanced survival in response to replication stress while its depletion leads to reduced survival in osteosarcoma cells with increased accumulation of USP37 in cytoplasm. A The clonogenic potential was examined by Colony formation assay. U2OS osteosarcoma cells were transfected with Myc USP37 for overexpressing USP37 while SiRNA was used to reduce expression of USP37, following which cells were treated with different concentrationsn of HU (Hydroxy Urea) for 24 h., then washed and fresh media was added. Subsequently colonies were allowed to develop for 7 days. B Osteosarcoma cell U20S cells were treated with 300 uM HU for 24 h and processed for IF to see USP37 expression. C Osteosarcoma cell line MG-63 was treated with 300 uM HU for 24 h. and processed for IF to see USP37 expression. D Western blotting to see the expression of USP37 and corresponding DNA damage marker ϒH2AX after induction of replication stress in U2OS whole cell lysate. E Nuclear and cytoplasmic fractionation was carried out on U2OS cells after treatment by an escalating dose of HU and western blotting was done to assess the level of USP37 in the nuclear and cytoplasmic fraction Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/37118828), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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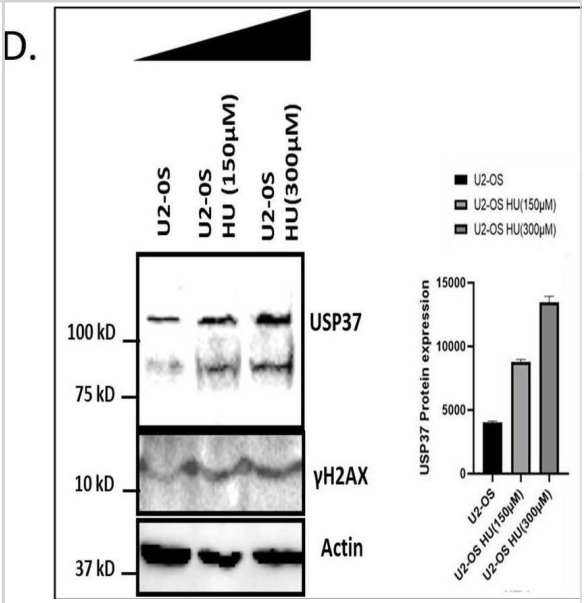

Publications

Chauhan R, Gupta A, Malhotra L et al. Ubiquitin specific peptidase 37 and PCNA interaction promotes osteosarcoma pathogenesis by modulating replication fork progression Journal of translational medicine 2023-04-28 [PMID: 37118828] (IP, Human)

Das CM, Taylor P, Gireud M et al. The deubiquitylase USP37 links REST to the control of p27 stability and cell proliferation. Oncogene 2012-06-01 [PMID: 22665064]

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Products Related to NB110-40709

NBL1-17660	USP37 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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