Product Datasheet

HA Tag Antibody - BSA Free
NB600-363

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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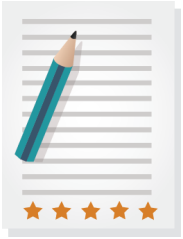
Updated 2/21/2025 v.20.1



NB600-363

HA Tag Antibody - BSA Free

Product Information

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

Product Description

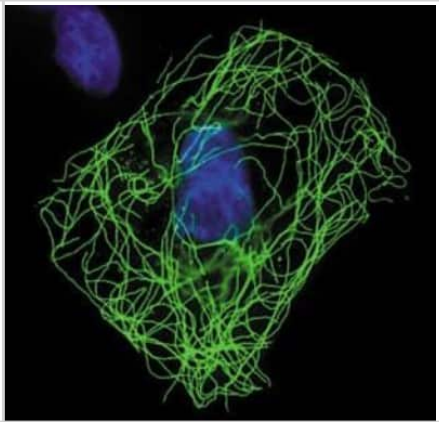
Host	Rabbit
Species	Epitope Tag
Immunogen	This HA Tag Antibody was developed by immunizing rabbits with HA cleavage site (YPYDVPDYA) conjugated to KLH. Antibody was isolated by affinity chromatography using the peptide immobilized on solid support.

Product Application Details

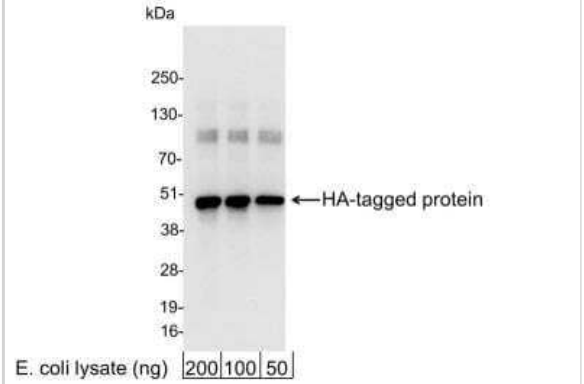
Applications	Western Blot, ELISA, Flow Cytometry, Gel Super Shift Assays, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP), Knockout Validated
Recommended Dilutions	Western Blot 1:1000-1:10000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:100-1:400, Immunocytochemistry/ Immunofluorescence 1:100-1:400, Immunoprecipitation 1-4 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:400, Gel Super Shift Assays, Chromatin Immunoprecipitation (ChIP) 1:10-1:500, Knockout Validated
Application Notes	Use in Gel Super Shift Assays reported in scientific literature (PMID:34289349). Use in ChIP reported in (PMID: 30659200).. Use in IHC reported in (PMID: 22880041).. Use in FLOW reported in scientific literature (Pryce R et al).. Knockout validation (PMID: 32354171).. Recommended dilution for coating ELISA plates is 1:100 - 1:500.

Images

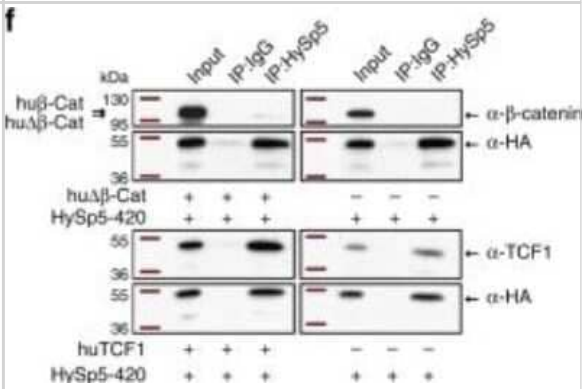
Immunocytochemistry/Immunofluorescence: HA Tag Antibody [NB600-363] - Detection of HA-tagged Tubulin in CHO cells transfected with mutant beta-tubulin cDNA encoding an HA epitope tag. Photo contributed by R. Bhattacharya and F. Cabral, University of Texas Medical School at Houston.



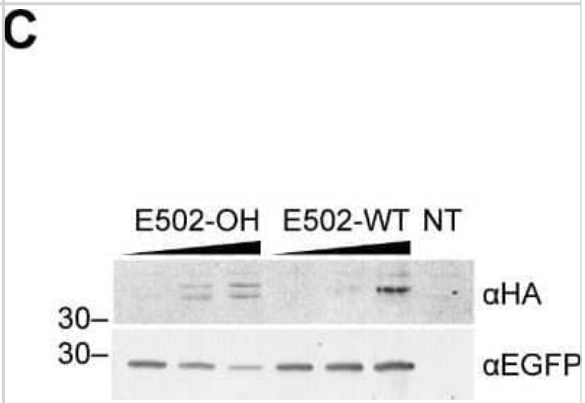
Western Blot: HA Tag Antibody [NB600-363] - 200, 100, or 50 ng of E. coli whole cell lysate expressing a multi-tag fusion protein.Antibody: Affinity purified rabbit anti-HA antibody used for WB at 0.04 ug/ml (1:25,000). Detection: Chemiluminescence with an exposure time of 3 seconds.



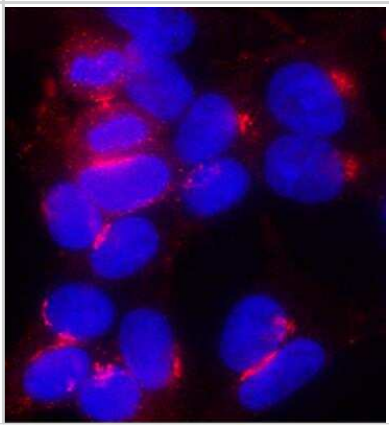
Western Blot: HA Tag Antibody [NB600-363] - Wnt/beta-catenin signaling regulates HySp5 expression. Immunoprecipitation (IP) of HA-tagged HySp5-420 expressed in HEK293T cells together or not with hudeltabeta-Catenin (upper) or huTCF1 (lower). IP was performed with an anti-HA antibody and Co-IP products were detected with the anti-beta-catenin or anti-TCF1 antibodies. Same results were obtained in two independent experiments. Each data point represents one biological independent experiment. Statistical p values: *p <= 0.05, **p <= 0.01, ***p <= 0.001, ****p <= 0.0001 (unpaired t test). Error bars indicate SD. PP primer pair, RLA relative luciferase activity Image collected and cropped by CiteAb from the following publication (https://www.nature.com/articles/s41467-018-08242-2), licensed under a CC-BY license.



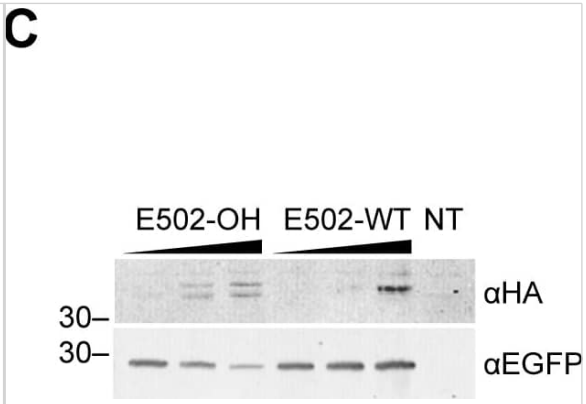
Western Blot: HA Tag Antibody [NB600-363] - ZFN expression levels. After co-transfection of HEK293T cells with ZFN expression vectors and pEGFP, cell lysates were probed with antibodies against the HA tag and EGFP. Amount of transfected ZFN plasmids was 75 ng, 300 ng, and 1200 ng. NT, non-transfected cells. Selection-independent generation of gene knockout mouse embryonic stem cells using zinc-finger nucleases. PLoS One (2011)



Immunocytochemistry/Immunofluorescence: HA Tag Antibody [NB600-363] - HA-tagged proteins were detected in immersion fixed HEK293 human embryonic kidney cell line transfected with HA-tagged MGAT2 using 1 ug/mL goat anti-HA Tag polyclonal (NB600-362, Novus Biologicals), 1 ug/mL rabbit anti-HA Tag polyclonal (NB600-363, Novus Biologicals). Cells were stained using the appropriate secondary antibody, donkey anti-mouse IgG-NL557 (NL007) and counterstained with DAPI (blue).



Western Blot: HA Tag Antibody [NB600-363] - Gene knockout in U2OS.693 cells.(A) Schematic of ZFN-mediated knockout. A ZFN pair (ZFNR & ZFNL) designed to target position 502 in the EGFP gene (E502) creates a DNA double-strand break that is sealed by the error-prone non-homologous end-joining (NHEJ) pathway & hence leads to disruption of the coding sequence. (B) Dose-dependent gene disruption in U2OS.693 cells. U2OS.693 cells that stably express a destabilized EGFP were transfected with increasing amounts of E502-specific ZFN expression vectors (75–1200 ng). The percentage of EGFP-negative cells was determined 6 days post-transfection by flow cytometry (n=3; indicated is average & standard deviation). E502-WT, ZFN with wild-type FokI domain; E502-OH, ZFN with obligate heterodimeric FokI domain. (C) ZFN expression levels. After co-transfection of HEK293T cells with ZFN expression vectors & pEGFP, cell lysates were probed with antibodies against the HA tag & EGFP. Amount of transfected ZFN plasmids was 75 ng, 300 ng, & 1200 ng. NT, non-transfected cells. (D) Kinetics of EGFP knockout. The graph displays the percentage of EGFP-negative cells (see B) from day 1 to day 6 post-transfection for two vector amounts (n=3; indicated is average & standard deviation). WT, E502-WT; OH, E502-OH. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/22194948), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Oguntuyo KY, Haas GD, Azarm KD et Al. Structure-guided mutagenesis of Henipavirus receptor-binding proteins reveals molecular determinants of receptor usage and antibody-binding epitopes J Virol 2024-03-01 [PMID: 38426726]

Chuong V, Farokhnia M, Khom S et Al. The glucagon-like peptide-1 (GLP-1) analogue semaglutide reduces alcohol drinking and modulates central GABA neurotransmission JCI Insight 2023-05-16 [PMID: 37192005]

Wells JR, Padua MB, Haaning AM et al. Non-coding cause of congenital heart defects: Abnormal RNA splicing with multiple isoforms as a mechanism for heterotaxy Human Genetics and Genomics Advances 2024-09-12 [PMID: 39275801]

Par□ G, Vitry J, Merchant ML et al. The Inhibitory Receptor CLEC12A Regulates PI3K-Akt Signaling to Inhibit Neutrophil Activation and Cytokine Release Frontiers in Immunology 2021-06-21 [PMID: 34234773] (Western Blot)

Vitry J, Par□ G, Murru A et al. Regulation of the Expression, Oligomerisation and Signaling of the Inhibitory Receptor CLEC12A by Cysteine Residues in the Stalk Region International Journal of Molecular Sciences 2021-09-22 [PMID: 34638548] (Western Blot)

Seo-Yeon Jeong, Gurusamy Hariharasudhan, Min-Ji Kim, Ji-Yeon Lim, Sung Mi Jung, Eun-Ji Choi, In-Youb Chang, Younghoon Kee, Ho Jin You, Jung-Hee Lee SIAH2 regulates DNA end resection and replication fork recovery by promoting CtIP ubiquitination Nucleic Acids Research 2022-10-14 [PMID: 36155803]

Xiaoyu Tracy Cai, Hongjie Li, Abu Safyan, Jennifer Gawlik, George Pyrowolakis, Heinrich Jasper AWD regulates timed activation of BMP signaling in intestinal stem cells to maintain tissue homeostasis Nature Communications 2019-07-05 [PMID: 31278345]

G Pizzolato, L Moparthi, S Söderholm, C Cantù, S Koch The oncogenic transcription factor FOXQ1 is a differential regulator of Wnt target genes Journal of Cell Science, 2022-10-10;0(0):. 2022-10-10 [PMID: 36124643]

Oguntuyo KY, Haas GD, Azarm KD et al. Structure guided mutagenesis of Henipavirus Receptor Binding Proteins reveals molecular determinants of receptor usage and antibody binding epitopes bioRxiv : the preprint server for biology 2023-11-22 [PMID: 38045373] (WB)

Grasekamp KP, Beaud Benyahia B, Taib N et al. The Mla system of diderm Firmicute Veillonella parvula reveals an ancestral transenvelope bridge for phospholipid trafficking Nature communications 2023-11-23 [PMID: 37993432] (WB)

Details:
1:4000 dilution

Stevens CS Viruses Are the Best Cell Biologists: Viral Engineering to Deliver Gene Editing Tools and Interrogate SARS-CoV-2 Entry Thesis 2023-01-01

Petridou NI, Stylianou P, Christodoulou N et al. Activation of endogenous FAK via expression of its amino terminal domain in Xenopus embryos PLoS ONE 2012-08-06 [PMID: 22880041] (Block/Neutralize)

More publications at http://www.novusbio.com/NB600-363

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Products Related to NB600-363

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB600-363B	HA Tag Antibody [Biotin]

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