

Product Datasheet

HSP70/HSPA1A Antibody (001) - Azide and BSA Free NBP2-89951-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-89951-100ul

HSP70/HSPA1A Antibody (001) - Azide and BSA Free

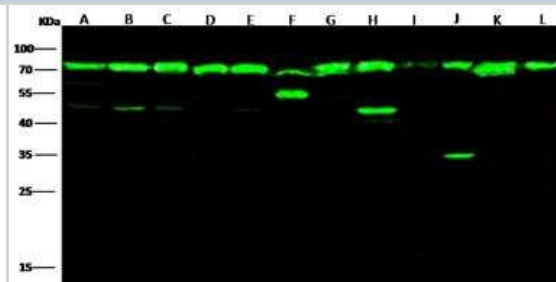
Product Information	
Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	001
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	0.2 um filtered solution in PBS

Product Description	
Description	This antibody can be stored at 2C-8C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20C to -80C. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Gene ID	3303
Gene Symbol	HSPA1A
Species	Human
Immunogen	This antibody was obtained from a rabbit immunized with purified, recombinant Human HSP70/HSPA1A (Accession#: NP_005337.2; Ala2-Asp641).

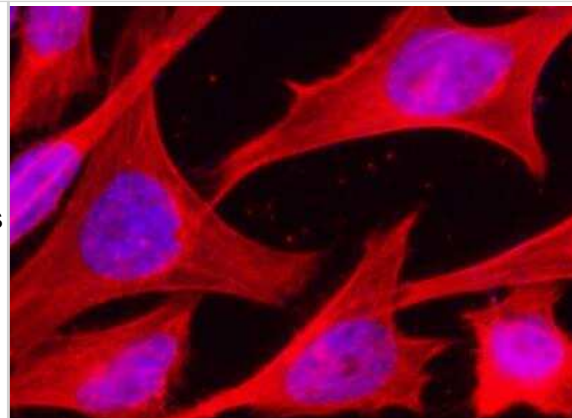
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry 1:25-1:100, ELISA 1:5000-1:10000, Immunocytochemistry/ Immunofluorescence 1:20-1:100, Immunoprecipitation 1-4 ul/mg of lysate, Immunohistochemistry-Paraffin 1:500-1:2000

Images

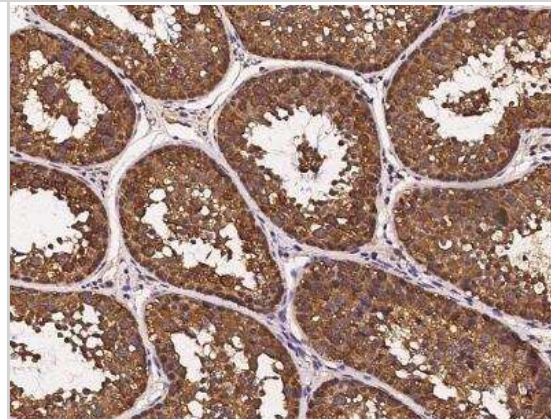
Western Blot: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Lane A: A549 Whole Cell Lysate Lane B: HCT116 Whole Cell Lysate Lane C: Hela Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size:70 kDa Observed band size:70 kDa (We are unsure as to the identity of these extra bands.)



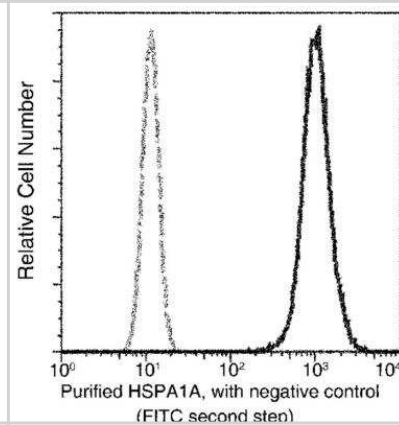
Immunocytochemistry/Immunofluorescence: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Staining of Human HSPA1A in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human HSPA1A monoclonal antibody (1:60) at 37? 1 hour. Then cells were stained with the Alexa Fluor® 594-conjugated goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



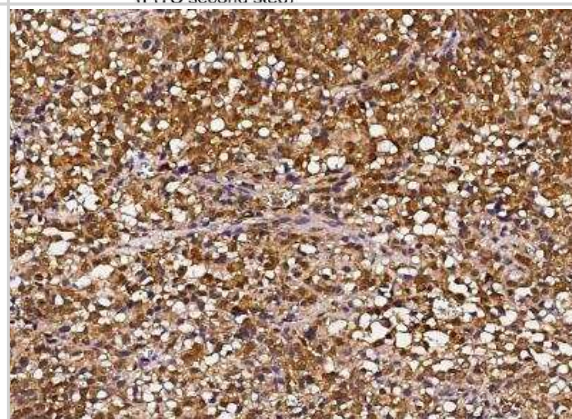
Immunohistochemistry-Paraffin: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Staining of HSPA1A in cynomolgus macaque testis with rabbit monoclonal antibody (1:1000).



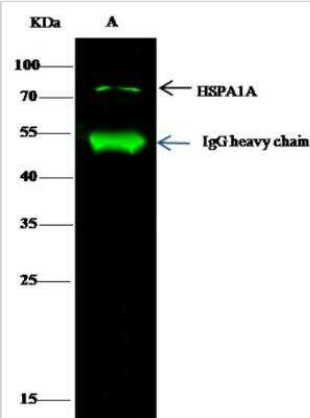
Flow Cytometry: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Analysis of Human HSPA1A expression on HeLa cells. The cells were treated, stained with purified anti-Human HSPA1A, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



Immunohistochemistry-Paraffin: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Staining of HSPA1A in human hepatoma with rabbit monoclonal antibody (1:1000).



Immunoprecipitation: HSP70/HSPA1A Antibody (001) [NBP2-89951] - Lane A: 0.5 mg Hela Whole Cell Lysate. 2 uL anti-HSPA1A rabbit monoclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-HSPA1A rabbit monoclonal antibody, at 1:200 dilution. Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. Developed using the odyssey technique. Performed under reducing conditions. Predicted band size: 70 kDa. Observed band size: 70 kDa



Publications

El-Ayoubi A, Klawitter M, Rüttinger J et al. Intranasal Delivery of the Oncolytic Adenovirus XVir-N-31 via Optimized Shuttle Cells Significantly Extends the Survival of Glioblastoma Bearing Mice preprints.org 2023-08-22 [PMID: 37894279] (IHC-Fr, Mouse)



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Products Related to NBP2-89951-100ul

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-77456PEP	HSP70/HSPA1A Antibody Blocking Peptide

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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