

Product Datasheet

HSPA8/HSC71/Hsc70 Antibody NB100-41377

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-41377**HSPA8/HSC71/Hsc70 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

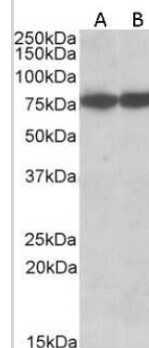
Product Description	
Host	Goat
Gene ID	3312
Gene Symbol	HSPA8
Species	Human
Specificity/Sensitivity	This antibody is expected to recognise isoform 1 (NP_006588.1) only.
Immunogen	Peptide with sequence C-EKLQGKINDEDKQK corresponding to internal region according to NP_006588.1.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/mL, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Immunohistochemistry-Paraffin 5 ug/mL, Peptide ELISA Detection limit 1:4000
Application Notes	Western blot: Approx 75 kDa band observed in lysates of cell lines HepG2 and NIH3T3 (calculated MW of 70.9 kDa according to Human NP_006588.1 and Mouse NP_112442.2). This molecular weight is routinely observed by other sources. Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HeLa cells. Use in FLOW reported in scientific literature (PMID: 30651550).

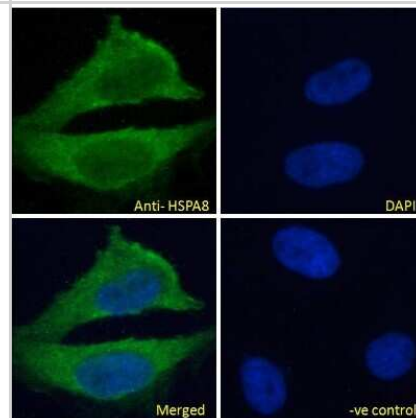


Images

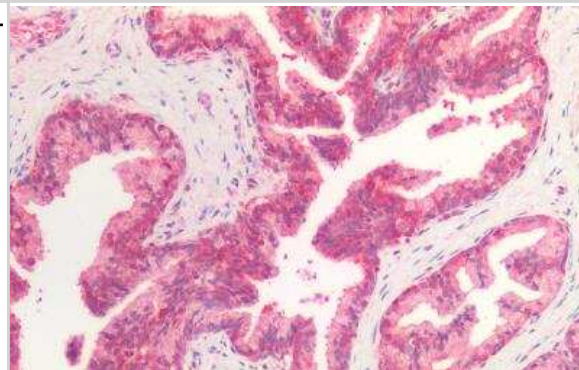
Western Blot: HSPA8/HSC71/Hsc70 Antibody [NB100-41377] - Staining of HepG2 (A) and NIH3T3 (B) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.03ug/mL. Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: HSPA8/HSC71/Hsc70 Antibody [NB100-41377] - Immunocytochemistry analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (4 ug/mL), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (4 ug/mL).



Immunohistochemistry-Paraffin: HSPA8/HSC71/Hsc70 Antibody [NB100-41377] - Staining of paraffin embedded Human Prostate. Antibody at 5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Publications

Capello M, Vykoukal JV, Katayama H et al. Exosomes harbor B cell targets in pancreatic adenocarcinoma and exert decoy function against complement-mediated cytotoxicity. *Nat Commun* 2019-01-16 [PMID: 30651550] (FLOW, Human)

Zhang Z, Fan J, Becker KG et al. Comparison of gene expression profile between human chondrons and chondrocytes: a cDNA microarray study. *Osteoarthritis Cartilage* 2006-05-01 [PMID: 16414292]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-41377

NBL1-11755	HSPA8/HSC71/Hsc70 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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