

Product Datasheet

HSPA8/HSC71/Hsc70 Antibody NB100-41377

Unit Size: 0.1 mg

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

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Updated 9/9/2025 v.20.1

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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

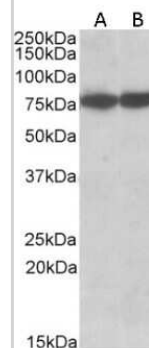
Product Description	
Description	Novus Biologicals Goat HSPA8/HSC71/Hsc70 Antibody (NB100-41377) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-HSPA8/HSC71/Hsc70 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, 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).

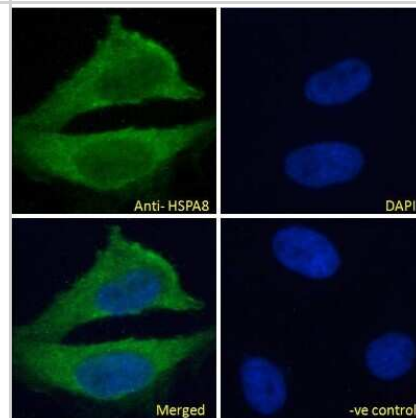


Images

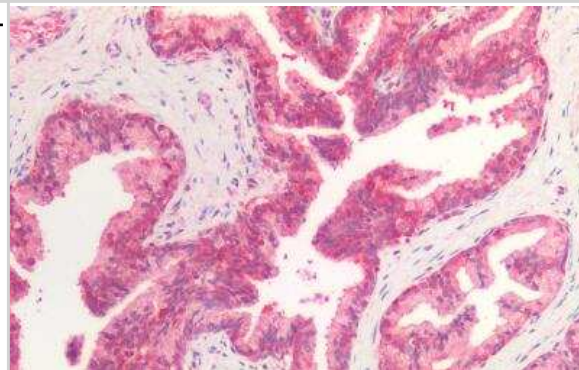
Western Blot: HSPA8/HSC71/Hsc70 Antibody [NB100-41377] - Staining of HepG2 (A) and NIH3T3 (B) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.03ug/mL. Detected by chemiluminescence.



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]



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Products Related to NB100-41377

NBL1-11755	HSPA8/HSC71/Hsc70 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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