

Product Datasheet

HSPA8/HSC71/Hsc70 Antibody (1F2-H5) - BSA Free NBP2-12880-200ug

Unit Size: 200 ug

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

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NBP2-12880-200ug

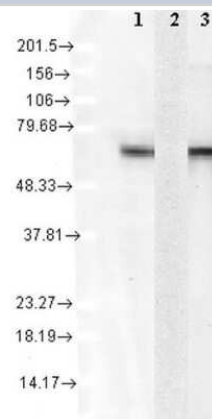
HSPA8/HSC71/Hsc70 Antibody (1F2-H5) - BSA Free

Product Information	
Unit Size	200 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1F2-H5
Preservative	0.09% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3312
Gene Symbol	HSPA8
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects approx 73kDa. Does not cross react with HSP70.
Immunogen	Full length human HSC70
Product Application Details	
Applications	Western Blot, Simple Western, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Microarray, Proximity Ligation Assay
Recommended Dilutions	Western Blot 1:1000, Simple Western, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Proximity Ligation Assay, Microarray
Application Notes	1 ug/ml of HSC70 (HSP73) Antibody was sufficient for detection of HSC70 in 10 ug of HeLa lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody. See Simple Western Antibody Database for Simple Western validation: separated by charge, antibody dilution of 1:200.

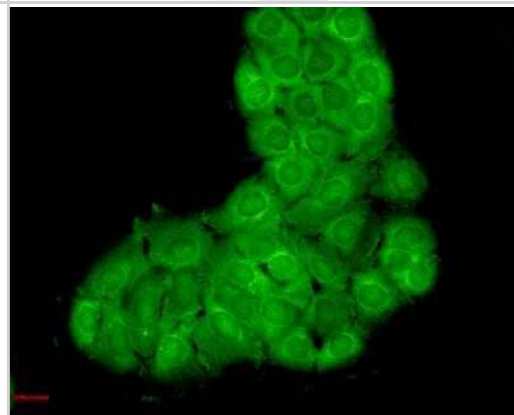


Images

Western Blot: HSPA8/HSC71/Hsc70 Antibody (1F2-H5) [NBP2-12880] - Western Blot analysis of Human Cell lysates showing detection of HSPA8/HSC71/Hsc70 protein using Mouse Anti-HSPA8/HSC71/Hsc70 Monoclonal Antibody, Clone 1F2-H5 (NBP2-12880). Load: 15 ug. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-HSPA8/HSC71/Hsc70 Monoclonal Antibody (NBP2-12880) at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT. 1: mix of 10 different human cell lines, 2: Hsp72 recombinant protein, and 3: Hsc70(Hsp73) recombinant protein.



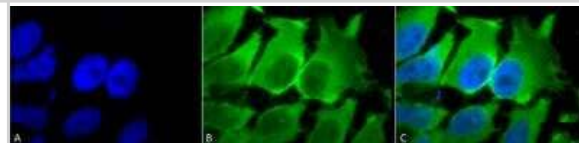
Immunocytochemistry/Immunofluorescence: HSPA8/HSC71/Hsc70 Antibody (1F2-H5) [NBP2-12880] - Analysis using Mouse Anti-Hsc70 Monoclonal Antibody, Clone 1F2-H5. Tissue: HaCaT cells. Species: Human. Fixation: Cold 100% methanol for 10 minutes at -20 degrees C. Primary Antibody: Mouse Anti-Hsc70 Monoclonal Antibody at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Bright cytoplasmic staining, duller nuclear staining.



Immunocytochemistry/Immunofluorescence: HSPA8/HSC71/Hsc70 Antibody (1F2-H5) [NBP2-12880] - Analysis using Mouse Anti-Hsc70 (Hsp73) Monoclonal Antibody, Clone 1F2-H5. Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-Hsc70 (Hsp73) Monoclonal Antibody at 1:100 for 12 hours at 4 degrees C. Secondary Antibody: R-PE Goat Anti-Mouse (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Melanosome. Localizes to nucleus upon heat shock. Magnification: 20x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsc70 (Hsp73) Antibody. (C) Composite.



Immunocytochemistry/Immunofluorescence: HSPA8/HSC71/Hsc70 Antibody (1F2-H5) [NBP2-12880] - Analysis using Mouse Anti-Hsc70 (Hsp73) Monoclonal Antibody, Clone 1F2-H5. Tissue: Heat Shocked HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Mouse Anti-Hsc70 (Hsp73) Monoclonal Antibody at 1:100 for 12 hours at 4 degrees C. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Melanosome. Localizes to nucleus upon heat shock. Magnification: 100x. (A) DAPI (blue) nuclear stain. (B) Anti-Hsc70 (Hsp73) Antibody. (C) Composite.



Publications

YU D, Yao S, Xi W et al. HSC70, HSPA1A, and HSP90AB1 Facilitate Ebola Virus trVLPs to Induce Chaperone-Mediated Autophagy Research Square 2023-08-18

Yu D, Yao S, Xi W et al. HSC70, HSPA1A, and HSP90AB1 Facilitate Ebola Virus trVLPs to Induce Autophagy bioRxiv 2020-06-22 (KD, WB, Human)

Yu DS, Weng TH, Hu CY et al. Chaperones, Membrane Trafficking and Signal Transduction Proteins Regulate Zaire Ebola Virus trVLPs and Interact With trVLP Elements. Front Microbiol. 2018-11-12 [PMID: 30483236] (WB, Human)





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Products Related to NBP2-12880-200ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-30278	Recombinant Human HSPA8/HSC71/Hsc70 His Protein

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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