

Product Datasheet

HSP70/HSPA1A Antibody (N27F3-4) - BSA Free NB110-96425

Unit Size: 0.2 mg

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

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NB110-96425

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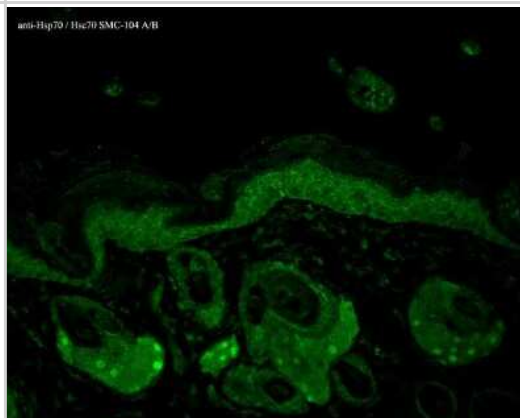
Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	N27F3-4
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS (pH 7.2), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3303
Gene Symbol	HSPA1A
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, C. elegans, Chicken, Drosophila, Fish, Guinea Pig, Hamster, Plant, Monkey, Rabbit, Sheep, Xenopus
Specificity/Sensitivity	Detects approx 72 (HSP) and approx 73kDa (HSC).
Immunogen	Recombinant HSP70/HSC70
Product Application Details	
Applications	Western Blot, Electron Microscopy, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Flow Cytometry, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:50, Immunoprecipitation, Immunohistochemistry-Paraffin, Electron Microscopy
Application Notes	1 ug/ml of HSP70/HSC70 Antibody was sufficient for detection of HSP70/HSC70 in 20 ug of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

Images

Western Blot: HSP70/HSPA1A Antibody (N27F3-4) [NB110-96425] - analysis of Human Cell lysates showing detection of Hsp70 protein using Mouse Anti-Hsp70 Monoclonal Antibody, Clone N27 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



Immunohistochemistry: HSP70/HSPA1A Antibody (N27F3-4) [NB110-96425] - Immunohistochemistry analysis using Mouse Anti-Hsp70 Monoclonal Antibody, Clone N27F3-4 (NB110-96425). Tissue: backskin. Species: Mouse. Fixation: Bouin's Fixative and paraffin-embedded. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody (NB110-96425) at 1:100 for 1 hour at RT. Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Epidermis.



Publications

Berner J, Miebach L, Kordt M et al. Chronic oxidative stress adaptation in head and neck cancer cells generates slow-cyclers with decreased tumour growth in vivo British journal of cancer 2023-07-17 [PMID: 37460712] (Flow-CS, Human)

Freund E, Liedtke KR, Miebach L et al. Identification of Two Kinase Inhibitors with Synergistic Toxicity with Low-Dose Hydrogen Peroxide in Colorectal Cancer Cells in vitro Cancers (Basel). [PMID: 31906582] (FLOW, Mouse)

Leermakers PA, Remels AHV, Zonneveld MI et al. Iron deficiency-induced loss of skeletal muscle mitochondrial proteins and respiratory capacity; the role of mitophagy and secretion of mitochondria-containing vesicles FASEB J. 2020-03-23 [PMID: 32202346] (WB, Mouse)



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Products Related to NB110-96425

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB110-96425APC	HSP70/HSPA1A Antibody (N27F3-4) [Allophycocyanin]

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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