

Product Datasheet

HSP70/HSPA1A Antibody (2A4) NBP1-21693

Unit Size: 0.1 mg

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

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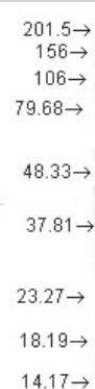
NBP1-21693**HSP70/HSPA1A Antibody (2A4)**

Product Information	
Unit Size	0.1 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	2A4
Preservative	0.09% Sodium Azide
Isotype	IgM
Purity	PEG purified
Buffer	PBS (pH 7.2), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	3303
Gene Symbol	HSPA1A
Species	Human, Mouse, Rat, Amphibian, Chicken, Drosophila, Fish, Yeast
Specificity/Sensitivity	Detects approx 70kDa. May detect HSP70, HSC70, and HSP72.
Immunogen	Human recombinant HSP70 overexpressed in E.coli
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Microarray
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation, Immunohistochemistry-Paraffin 1:100, Microarray
Application Notes	0.2 ug/ml of HSP70 Antibody was sufficient for detection of HSP70 in 20 ug of heat shocked HeLa cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgM:HRP as the secondary Antibody.



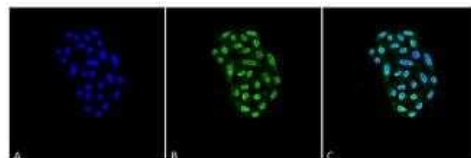
Images

Western Blot: HSP70/HSPA1A Antibody (2A4) [NBP1-21693] - Analysis of Rat Cell lysates showing detection of Hsp70 protein using Mouse Anti-Hsp70 Monoclonal Antibody, Clone 2A4 . Load: 15 ug protein. Block: 1.5% BSA for 30 minutes at RT. Primary Antibody: Mouse Anti-Hsp70 Monoclonal Antibody at 1:5000 for 2 hours at RT. Secondary Antibody: Sheep Anti-Mouse IgG: HRP for 1 hour at RT.



201.5→
156→
106→
79.68→
48.33→
37.81→
23.27→
18.19→
14.17→

Immunohistochemistry: HSP70/HSPA1A Antibody (2A4) [NBP1-21693] - Tissue: Cervical cancer cell line (HeLa). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-HSP70 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: DAPI (blue) nuclear stain at 1:5000 for 5 min RT. Localization: Nucleus, Cytoplasm. Magnification: 40X.





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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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