

# Product Datasheet

## HSP27 Antibody NB120-5579

Unit Size: 100ug

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

[www.novusbio.com](http://www.novusbio.com)



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Updated 9/9/2025 v.20.1

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**NB120-5579**

## HSP27 Antibody

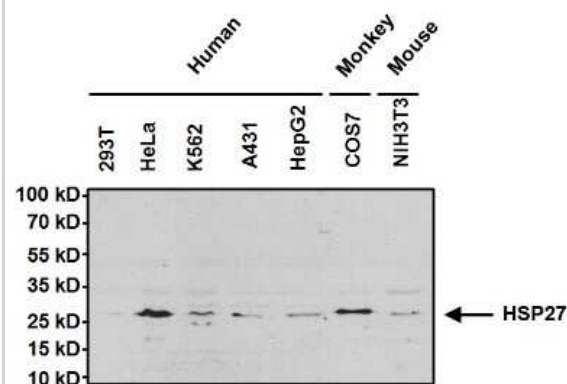
Product Information	
Unit Size	100ug
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Description	Novus Biologicals Rabbit HSP27 Antibody (NB120-5579) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-HSP27 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	3315
Gene Symbol	HSPB1
Species	Human, Rat, Primate
Specificity/Sensitivity	Hsp27
Immunogen	Synthetic peptide corresponding to residues L(10) L R G P S W D P F R C(21) of human Heat Shock Protein 27.

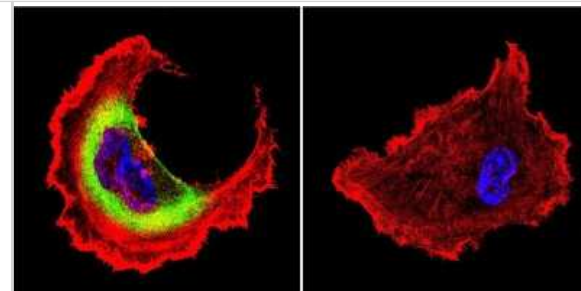
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000 - 1:2000, Immunohistochemistry 4 ug/ml, Immunocytochemistry/ Immunofluorescence 1:50, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	WB: Detects an approx. 27 kDa which corresponds to hsp27 from HeLa cells. ICC: Staining of hsp27 in HeLa cells with this antibody results in diffuse cytoplasmic staining before heat shock and diffuse cytoplasmic along with punctate staining patterns after.

**Images**

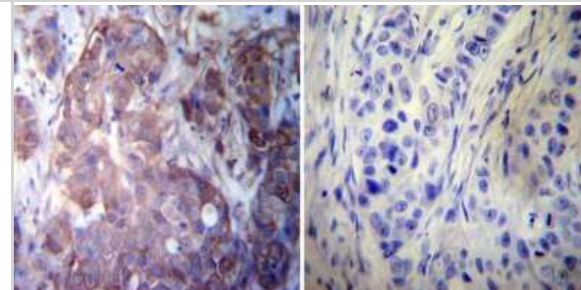
Western Blot: HSP27 Antibody [NB120-5579] - Analysis of 50ug of the indicated whole cell lysates per well.



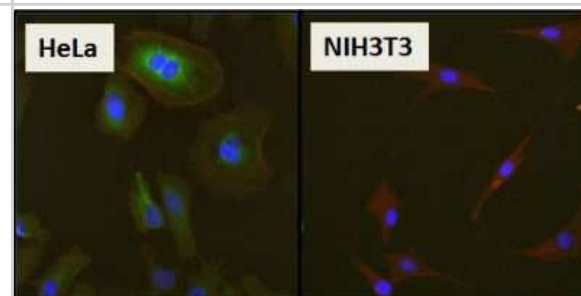
Immunocytochemistry/Immunofluorescence: HSP27 Antibody [NB120-5579] - Analysis of Heat Shock Protein 27 in MCF-7 Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Heat Shock Protein 27 polyclonal antibody at a dilution of 1:200 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Heat Shock Protein 27 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



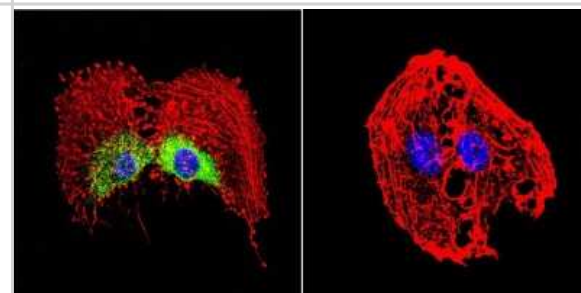
Immunohistochemistry-Paraffin: HSP27 Antibody [NB120-5579] - Both normal and cancer biopsies of deparaffinized human Breast carcinoma tissue.



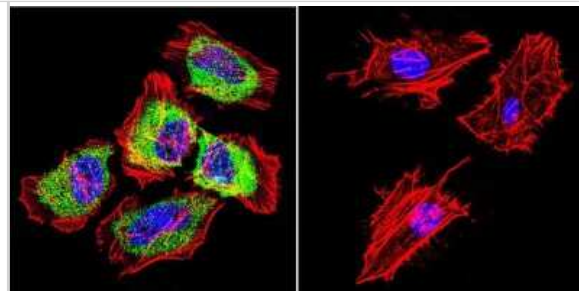
Immunocytochemistry/Immunofluorescence: HSP27 Antibody [NB120-5579] - Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with HSP27 polyclonal antibody at a dilution of 1:400 for 30 minutes at room temperature. F-Actin (red) was stained with DyLight 554 Phalloidin and nuclei (blue) were stained with Hoechst 33342 dye.



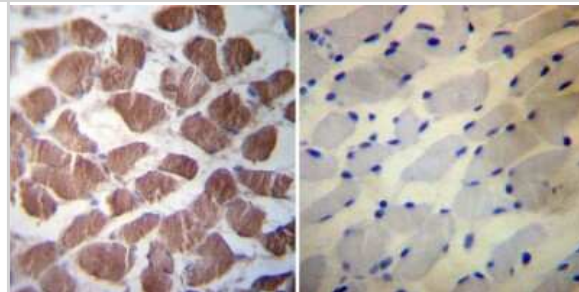
Immunocytochemistry/Immunofluorescence: HSP27 Antibody [NB120-5579] - Analysis of Heat Shock Protein 27 in C6 Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Heat Shock Protein 27 polyclonal antibody at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Heat Shock Protein 27 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunocytochemistry/Immunofluorescence: HSP27 Antibody [NB120-5579] - Analysis of Heat Shock Protein 27 in HeLa Cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Heat Shock Protein 27 polyclonal antibody at a dilution of 1:200 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Heat Shock Protein 27 staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunohistochemistry-Paraffin: HSP27 Antibody [NB120-5579] - Both normal and cancer biopsies of deparaffinized human Skeletal muscle tissue.



## Publications

Onay Ucar E, Sengelen A, Mertoglu Kamali E Hsp27, Hsp60, Hsp70, or Hsp90 depletion enhances the antitumor effects of resveratrol via oxidative and ER stress response in human glioblastoma cells *Biochemical Pharmacology* 2023-02-01 [PMID: 36603687] (WB, Human)

Details:  
1:1000 WB dilution

Kiyga E, Adıguzel Z, Onay Ucar E Temozolomide increases heat shock proteins in extracellular vesicles released from glioblastoma cells *Molecular biology reports* 2022-06-25 [PMID: 35752701] (WB, Human)



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### **Products Related to NB120-5579**

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NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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