Product Datasheet

HSP90 Antibody (16F1) - BSA Free
NBP1-97506-0.05mg

Unit Size: 0.05 mg

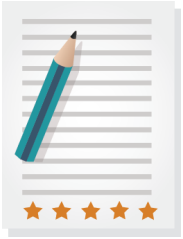
Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-97506

Updated 9/9/2025 v.20.1



NBP1-97506-0.05mg

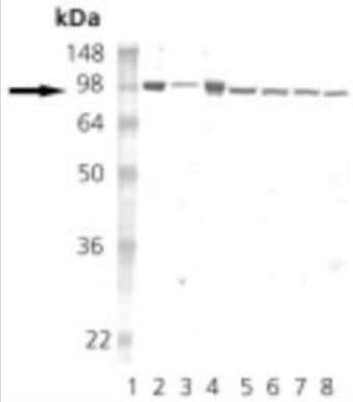
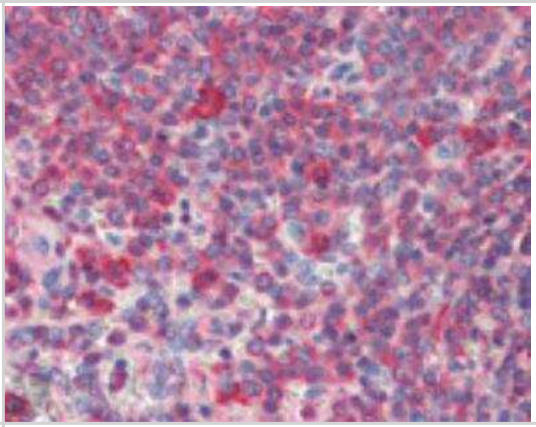
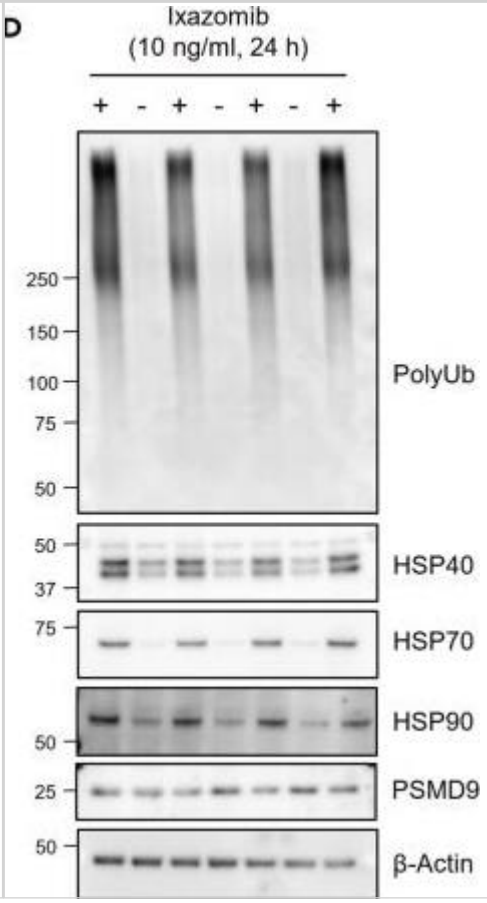
HSP90 Antibody (16F1) - BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	16F1
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.2) and 50% Glycerol

Product Description	
Description	Novus Biologicals Rat HSP90 Antibody (16F1) - BSA Free (NBP1-97506) is a monoclonal antibody validated for use in IHC, WB and IP. Anti-HSP90 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	3320
Gene Symbol	HSP90AA1
Species	Human, Mouse, Rat, Porcine, Bovine, Canine, Chicken, Drosophila, Fish, Guinea Pig, Invertebrate, Mammal, Opossum, Plant, Primate, Rabbit, Sheep, Xenopus
Reactivity Notes	Opossum, Mussel, Beluga
Immunogen	Native human Hsp90.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500

Images

Western Blot: HSP90 Antibody (16F1) [NBP1-97506] - Lane 1: MW marker, Lane 2: HSP90 native protein, Lane 3: HSP90b recombinant protein, Lane 4: HSP90alpha recombinant protein, Lane 5: HeLa (HS), Lane 6: L-929 (HS), Lane 7: Rat-2 (HS), Lane 8:RK-13 (HS).	
Immunohistochemistry-Paraffin: HSP90 Antibody (16F1) [NBP1-97506] - Analysis of human spleen tissue stained with HSP90, mAb (16F1) at 10ug/ml.	
Ixazomib increases heat-shock proteins (HSPs) in mouse Schwann cellsImmortalized mouse Schwann cells treated with either 10 μg/mL Ixazomib (Ixa) or dimethyl sulfoxide (DMSO) for 24 h were subjected to isobaric tags for relative and absolute quantitation-mass spectrometry (iTRAQ-MS) proteomics.(A) Overview of the 66 significantly changed proteins (false discovery rate [FDR]-corrected p < 0.05) in four Ixazomib (Ixa) groups as compared with three DMSO groups. The heatmap represents the log2 (fold change [FC]) of the differentially expressed proteins in each group. The color key from blue to red represents the log2 (FC) from low to high. See Tables S3A and S3B for details.(B) Enrichment analysis of differentially expressed proteins. The vertical axis represents the pathway category and the horizontal axis represents the enrichment score [–log10 (P)] of the pathway. See Table S3C for details. (C) Volcano plot representing log10 (FDR) as a function of log2 (FC). The proteins identified with an FDR-value <0.05 and >1.0-fold are highlighted in red (up-regulated) or blue (down-regulated), with the dotted lines representing the boundary for identification.(D) Immunoblotting analyses using antibodies against poly-ubiquitin (polyUb), HSP40, HSP70, HSP90, and proteasome modulator 9 (PSMD9).(E) Quantification of relative protein amounts in (D). β-Actin was used for internal control. Unpaired t test. Data are represented As means +/- SEM. ns, not significant, □p < 0.05, □□p < 0.01, N = 3 for untreated (DMSO), and 4 for Ixazomib. Image collected and cropped by CiteAb from the following open publication (https://linkinghub.elsevier.com/retrieve/pii/S258900422301074X), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Suzuki M, Kuromi H, Shindo M et al. A Drosophila model of diabetic neuropathy reveals a role of proteasome activity in the glia iScience 2023-05-01 [PMID: 37378316] (Western Blot, Mouse)

Details:
WB 1:10000

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)

A Salminen et al. Amyloid-beta 1-42 induced endocytosis and clusterin/apoJ protein accumulation in cultured human astrocytes. Neurochem. Int. 50, 540 . 2007-01-01 [PMID: 17219051] (WB, Human)

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Products Related to NBP1-97506-0.05mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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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