

# Product Datasheet

## HSP90 beta Antibody (SY46-01)

### NBP2-67395

Unit Size: 100 ul

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

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**NBP2-67395**

HSP90 beta Antibody (SY46-01)

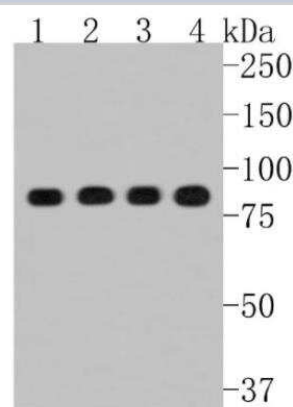
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SY46-01
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Host	Rabbit
Gene Symbol	HSP90AB1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human HSP90 beta aa 485-724 / 724. (SwissProt: P08238 Human; SwissProt: P11499 Mouse; SwissProt: P34058 Rat)

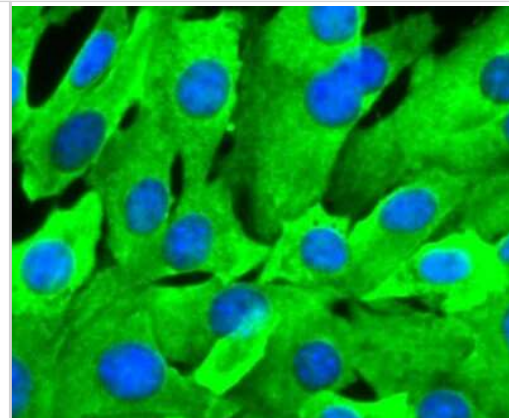
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:10000, Simple Western, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	Use in SW reported in scientific publication PMID: 32443895

**Images**

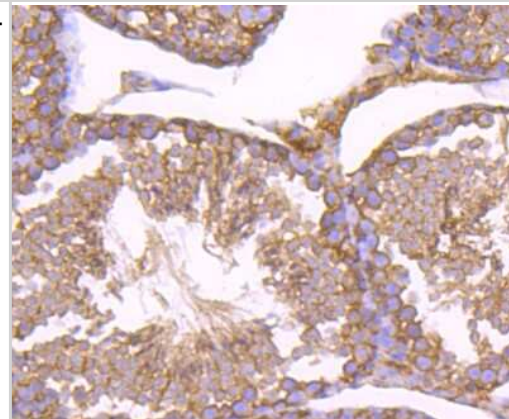
Western Blot: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of Hsp90 beta on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Hela cell lysate Lane 2: K562 cell lysate Lane 3: Jurkat cell lysate Lane 4: 293 cell lysate



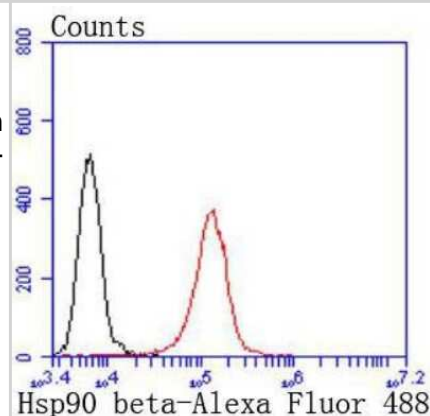
Immunocytochemistry/Immunofluorescence: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Staining Hsp90 beta in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



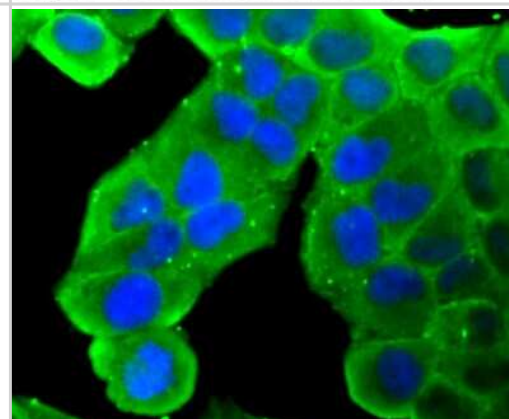
Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded mouse testis tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



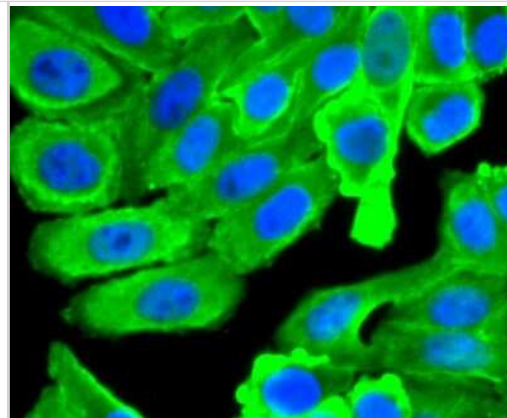
Flow Cytometry: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Flow cytometric analysis of HSP90 beta was done on Jurkat cells. The cells were fixed, permeabilized and stained with the primary antibody (1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).



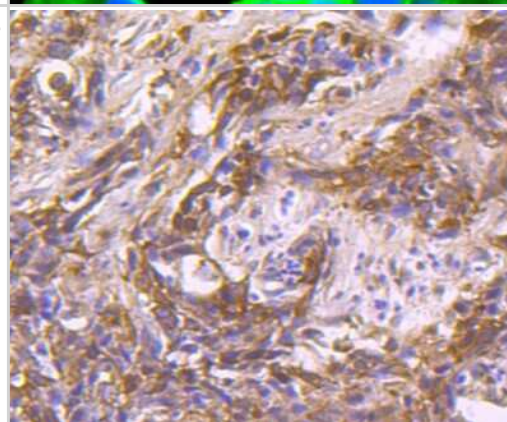
Immunocytochemistry/Immunofluorescence: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Staining Hsp90 beta in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



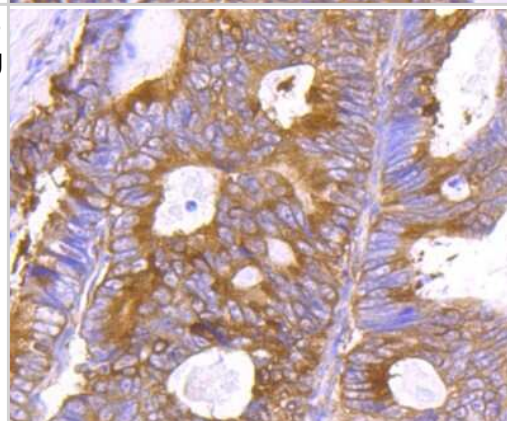
Immunocytochemistry/Immunofluorescence: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Staining Hsp90 beta in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



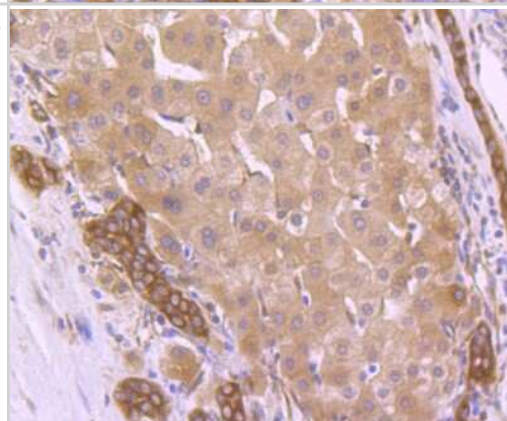
Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded human breast carcinoma tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded human colon cancer tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.

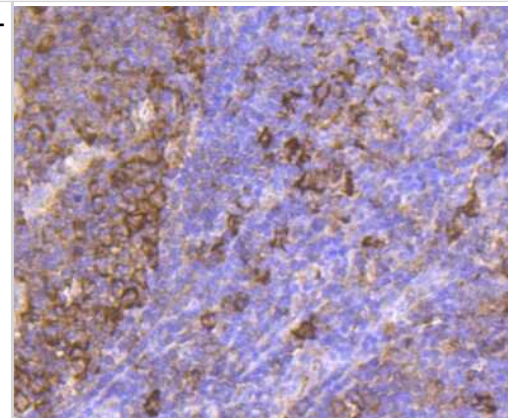


Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded human liver cancer tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.

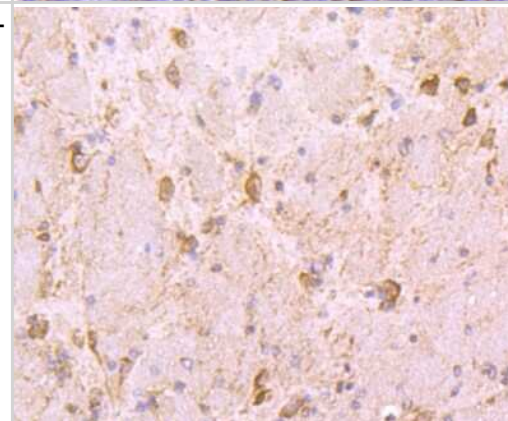




Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded human tonsil tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: HSP90 beta Antibody (SY46-01) [NBP2-67395] - Analysis of paraffin-embedded mouse brain tissue using anti-Hsp90 beta antibody. Counter stained with hematoxylin.



## Publications

Haney MJ, Zhao Y, Jin YS, Batrakova EV Extracellular Vesicles as Drug Carriers for Enzyme Replacement Therapy to Treat CLN2 Batten Disease: Optimization of Drug Administration Routes Cells 2020-05-20 [PMID: 32443895] (Simple Western, Mouse)

Haney, MJ;Klyachko, NL;Harrison, EB;Zhao, Y;Kabanov, AV;Batrakova, EV; TPP1 Delivery to Lysosomes with Extracellular Vesicles and their Enhanced Brain Distribution in the Animal Model of Batten Disease Adv Healthc Mater 2019-04-18 [PMID: 30997751] (WB, Mouse)



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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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