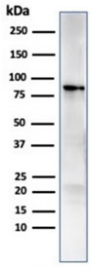
HSP90AB1 Antibody / Molecular Chaperone Antibody [clone HSP90AB1/3951] (V8605)

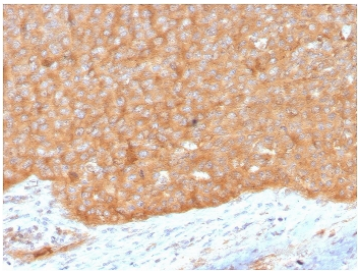
Catalog No.	Formulation	Size
V8605-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8605-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8605SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

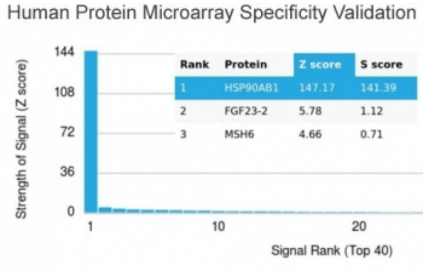
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HSP90AB1/3951
Purity	Protein G affinity chromatography
UniProt	P08238
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This HSP90AB1 Antibody / Molecular Chaperone Antibody is available for research use only.



HSP90AB1 Antibody Human MCF7 Cell WB. Western blot analysis of human MCF7 cell lysate using HSP90AB1 Antibody / Molecular Chaperone Antibody, clone HSP90AB1/3951. A specific band is detected between approximately 84-90 kDa, consistent with the expected molecular weight of HSP90AB1. Detection of endogenous HSP90AB1 in MCF7 cells supports the constitutive expression of this cytosolic molecular chaperone. These results support the use of HSP90AB1 Antibody / Molecular Chaperone Antibody for studying protein folding, molecular chaperone activity and cancer-associated protein homeostasis.



HSP90AB1 Antibody Human Pancreas IHC. Immunohistochemistry analysis of FFPE human pancreas tissue using HSP90AB1 Antibody / Molecular Chaperone Antibody (clone HSP90AB1/3951). Heat induced antigen retrieval was performed by boiling tissue sections in pH 9 Tris-EDTA buffer for 20 minutes prior to staining. Strong diffuse cytoplasmic staining is observed throughout pancreatic epithelial cells, consistent with the constitutive expression of HSP90AB1 as an ATP-dependent molecular chaperone involved in protein folding and cellular protein homeostasis. These results support the use of HSP90AB1 Antibody / Molecular Chaperone Antibody, a Protein Microarray Validated mouse monoclonal antibody, for studying HSP90AB1 expression, molecular chaperone function and protein homeostasis.



HSP90AB1 Antibody Protein Microarray Validated. Analysis of a HuProt(TM) human protein microarray containing more than 19,000 full-length human proteins using HSP90AB1 Antibody / Molecular Chaperone Antibody (clone HSP90AB1/3951). The antibody demonstrates exceptional specificity for HSP90AB1, with the highest Z-score and S-score among all proteins analyzed. The Z-score represents the strength of antibody binding relative to the array background, while the S-score reflects specificity by measuring the difference between the target signal and the next highest signal. These results support the use of HSP90AB1 Antibody / Molecular Chaperone Antibody, a Protein Microarray Validated mouse monoclonal antibody, for highly specific detection of HSP90AB1 in molecular chaperone and protein homeostasis research.

Description

HSP90AB1 Antibody / Molecular Chaperone Antibody detects heat shock protein 90 beta, a constitutively expressed molecular chaperone that plays an essential role in protein folding, stabilization and quality control within the cytoplasm. Unlike the inducible HSP90AA1 isoform, HSP90AB1 is expressed under normal physiological conditions and supports the maturation and maintenance of a wide variety of client proteins involved in signal transduction, cell cycle regulation, apoptosis and intracellular trafficking. HSP90AB1 Antibody / Molecular Chaperone Antibody is widely used to investigate protein homeostasis, cellular stress responses and molecular chaperone biology.

HSP90AB1 functions as an ATP-dependent chaperone that cooperates with numerous co-chaperones to guide the folding, conformational stability and functional activity of newly synthesized and damaged proteins. Many kinases, transcription factors, hormone receptors and signaling molecules rely on HSP90AB1 for proper maturation and stability. Through these interactions, HSP90AB1 helps preserve proteome integrity while protecting cells from protein misfolding and aggregation during normal growth and environmental stress.

Because HSP90AB1 regulates numerous signaling pathways simultaneously, it has become an important research target in oncology, neuroscience and cell biology. Elevated HSP90 activity supports the stability of many oncogenic client proteins that promote tumor growth, survival, angiogenesis and metastasis. HSP90AB1 also contributes to neuroprotection, immune regulation and adaptation to cellular stress, making it valuable for investigations of neurodegenerative disease, inflammation and developmental biology. HSP90AB1 Antibody / Molecular Chaperone Antibody provides an effective tool for studying these diverse biological processes.

Specific detection of HSP90AB1 is particularly important because multiple HSP90 family members share substantial sequence similarity. Highly specific antibodies help distinguish HSP90AB1 from related isoforms, improving confidence in expression studies across normal tissues, cancer specimens and experimental models. This page features clone HSP90AB1/3951, a mouse monoclonal antibody that has been Protein Microarray Validated, providing additional confidence in target specificity for research applications.

NSJ Bioreagents offers HSP90AB1 Antibody / Molecular Chaperone Antibody products for researchers studying protein folding, molecular chaperone biology and cellular stress responses. These antibodies support applications including Western blot, immunohistochemistry, immunofluorescence and flow cytometry analysis of HSP90AB1 expression and

localization. HSP90AB1 Antibody / Molecular Chaperone Antibody provides a valuable tool for investigating protein homeostasis, client protein regulation and disease-associated molecular chaperone pathways.

Explore additional oncology research tools in our Cancer Antibodies page, featuring antibodies against molecular chaperones, signaling proteins and other biomarkers involved in tumor progression, cellular stress responses and cancer biology.

Application Notes

Optimal dilution of the HSP90AB1 Antibody / Molecular Chaperone Antibody should be determined by the researcher.

Immunogen

A portion of amino acids 581-704 from the human protein was used as the immunogen for the HSP90AB1 antibody.

Storage

Store the HSP90AB1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Hsp90 beta antibody, Heat Shock Protein 90 Beta antibody, HSP90B antibody, HSP84 antibody, HSPCB antibody, HSP90 Beta Cytosolic antibody, HSP90AB1 protein antibody

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