hsp90a.1 Antibody (F54476)

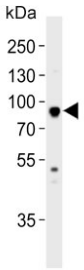
Catalog No.	Formulation	Size
F54476-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54476-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

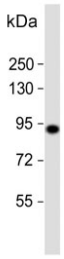
Availability	1-3 business days
Species Reactivity	Zebrafish
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q90474
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25
Limitations	This hsp90a.1 antibody is available for research use only.



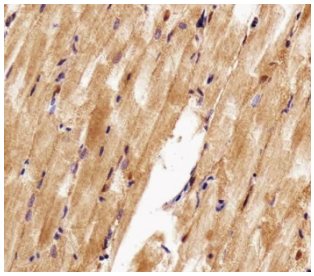
Western blot testing of zebrafish 1) muscle and 2) whole lysate with hsp90a.1 antibody. Predicted molecular weight ~83 kDa.



Western blot testing of zebrafish heart lysate with hsp90a.1 antibody. Predicted molecular weight ~83 kDa.



Western blot testing of zebrafish ZF4 cell lysate with hsp90a.1 antibody. Predicted molecular weight ~83 kDa.



IHC testing of FFPE human skeletal muscle tissue with hsp90a.1 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the client proteins, thereby causing their activation. Interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function (By similarity). Plays a key role in slow and fast muscle development in the embryo. Plays a role in myosin expression and assembly.

Application Notes

The stated application concentrations are suggested starting points. Titration of the hsp90a.1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 229-263 from the zebrafish protein was used as the immunogen for the hsp90a.1 antibody.

Storage

Aliquot the hsp90a.1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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