



Datasheet for ABIN725495

anti-HSP90AB1 antibody (AA 635-724)



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Overview

Quantity:	100 µL
Target:	HSP90AB1
Binding Specificity:	AA 635-724
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSP90AB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HSP90 beta
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	HSP90AB1
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Target Details

Alternative Name:	HSP90 beta (HSP90AB1 Products)
Background:	<p>Synonyms: HSP84, HSPC2, HSPCB, D6S182, HSP9B, Heat shock protein HSP 9-beta, HSP 9, Heat shock 84 kDa, HSP 84, HSP9AB1</p> <p>Background: 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.</p>
Gene ID:	3326
UniProt:	P08238
Pathways:	Regulation of Cell Size

Application Details

Application Notes:	<p>WB 1:300-5000</p> <p>ELISA 1:500-1000</p> <p>FCM 1:20-100</p> <p>IHC-P 1:200-400</p> <p>IHC-F 1:100-500</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

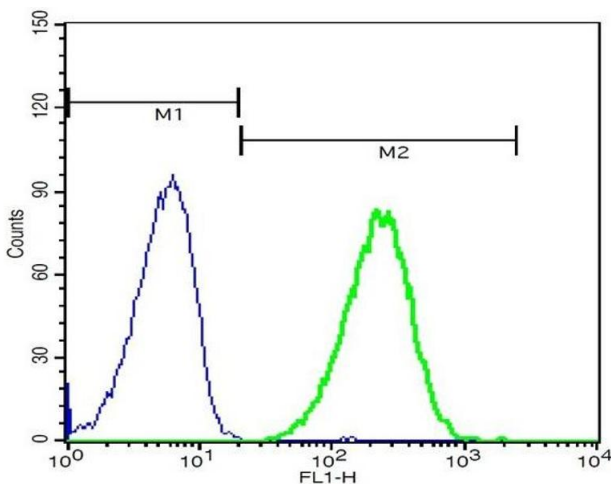
Publications

Product cited in: Bozok Cetintas, Acikgoz, Yigitturk, Demir, Oktem, Tezcanli Kaymaz, Oltulu, Aktug: "Effects of flavopiridol on critical regulation pathways of CD133high/CD44high lung cancer stem cells." in: **Medicine**, Vol. 95, Issue 43, pp. e5150, (2016) ([PubMed](#)).

Mori, Akita, Tanida, Ishida, Toda, Inoue, Yashiro, Sawada, Hirakawa, Nakada et al.: "MUC1 protein induces urokinase-type plasminogen activator (uPA) by forming a complex with NF-κB p65 transcription factor and binding to the uPA promoter, leading to enhanced invasiveness of cancer ..." in: **The Journal of biological chemistry**, Vol. 289, Issue 51, pp. 35193-204, (2015) ([PubMed](#)).

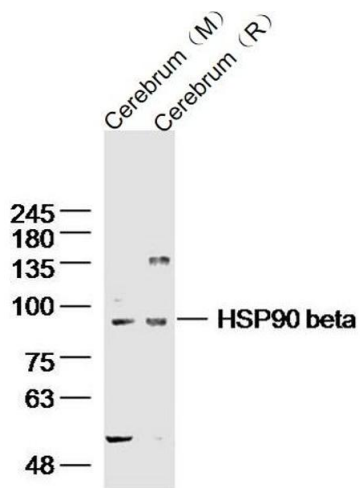
Ding, Wu, Su, Zhou, Zhao, Deng, Zhang, Liu, Wang, Liu: "Expression of heat shock protein 90 genes during early development and infection in Megalobrama amblycephala and evidence for adaptive evolution in teleost." in: **Developmental and comparative immunology**, Vol. 41, Issue 4, pp. 683-93, (2013) ([PubMed](#)).

Images



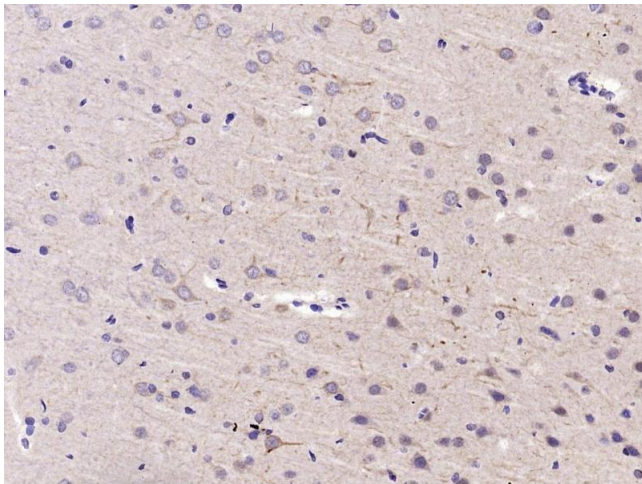
Flow Cytometry

Image 1. Mouse splenocytes probed with Rabbit Anti-HSP90 beta Polyclonal Antibody (ABIN725495) at 1:100 for 40 minutes followed by incubation with Goat Anti-Rabbit IgG FITC conjugated secondary at 1:100 (green) for 40 minutes compared to control cells (blue)



Western Blotting

Image 2. Lane 1: mouse cerebrum lysates Lane 2: rat cerebrum lysates probed with HSP90 beta Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded Rat Brain Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with HSP90 beta Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, DAB staining.