ARG54183
anti-Hsp 90 alpha antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes Hsp 90 alpha
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	Hsp 90 alpha
Species	Human
Immunogen	Purified recombinant human Hsp90 alpha protein fragments expressed in E.coli
Conjugation	Un-conjugated
Alternate Names	EL52; Hsp90; HSPC1; Heat shock 86 kDa; LAP-2; HSP90N; LAP2; HSP90A; HSPCAL4; HSP89A; HSP86; HSP 86; HSPCA; Lipopolysaccharide-associated protein 2; HSPCAL1; LPS-associated protein 2; HSPN; Renal carcinoma antigen NY-REN-38; Heat shock protein HSP 90-alpha; Hsp89

Application Instructions

Application table

Application	Dilution
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 90 kDa

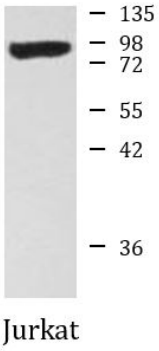
Properties

Form	Liquid
Purification	Affinity purified
Buffer	PBS (pH 7.4), 0.02% Sodium azide, 1mg/ml BSA and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	1mg/ml BSA, 50% Glycerol
Concentration	0.6 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HSP90AA1
Gene Full Name	heat shock protein 90kDa alpha (cytosolic), class A member 1
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. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes.
Function	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. Binds bacterial lipopolysaccharide (LPS) et mediates LPS-induced inflammatory response, including TNF secretion by monocytes. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	85 kDa
PTM	ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.
Cellular Localization	Cytoplasm. Melanosome. Cell membrane.

Images



ARG54183 anti-Hsp 90 alpha antibody WB image

Western blot: Jurkat cell lysate stained with ARG54183 anti-Hsp 90 alpha antibody at 1:1000 dilution.