

Product datasheet

Anti-Hsp90 antibody [AC-16] ab6536

2 Images

Overview

Product name	Anti-Hsp90 antibody [AC-16]
Description	Mouse monoclonal [AC-16] to Hsp90
Host species	Mouse
Specificity	The antibody is reactive with both the constitutive and the inducible forms of HSP90. However, it does not bind to the native form of HSP90. It does not recognize HSP90 from <i>E. coli</i> and yeast.
Tested applications	Suitable for: IHC-P, IHC-Fr, WB
Species reactivity	Reacts with: Mouse, Rat, Rabbit, Chicken, Human
Immunogen	Full length native protein (purified). (<i>Achlya ambisexualis</i>)
Positive control	HeLa lysate
General notes	Monoclonal Anti-Heat Shock Protein 90 (mouse IgG2b isotype) is derived from the AC-16 hybridoma produced by the fusion of mouse myeloma cells and splenocytes from B10S mice immunized with heat shock protein 90 purified from the water mold <i>Achlya ambisexualis</i> .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, PBS, pH 7.4
Purity	Protein G purified
Clonality	Monoclonal
Clone number	AC-16
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab6536** in the following tested applications.

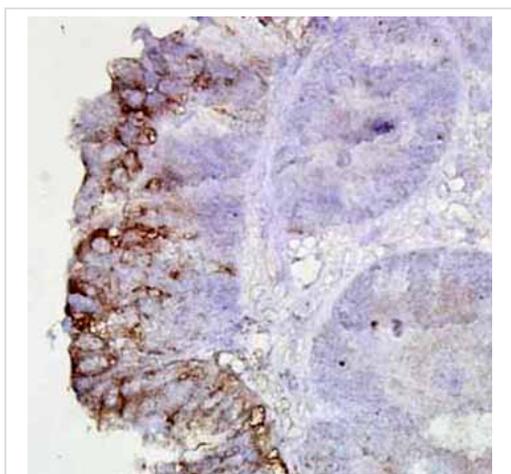
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
WB		1/1000. Predicted molecular weight: 83 kDa.

Target

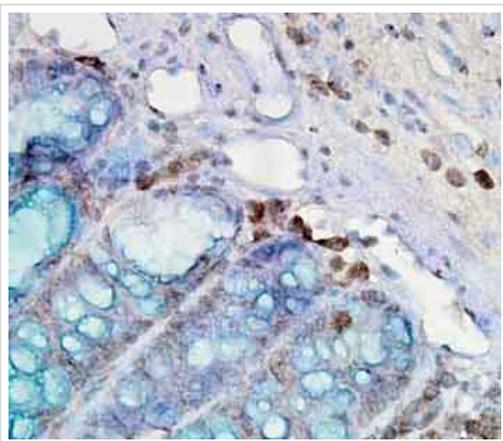
Function	Molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved for instance in cell cycle control and signal transduction. Undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational 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.
Sequence similarities	Belongs to the heat shock protein 90 family.
Domain	The TPR repeat-binding motif mediates interaction with TPR repeat-containing proteins like the co-chaperone STUB1.
Post-translational modifications	ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.
Cellular localization	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



ab6536 at 1/2000 dilution staining Hsp90 in human colon cancer tissue section by Immunohistochemistry (Bouin's fixed paraffin-embedded tissue sections). Tissue underwent heat mediated antigen retrieval in microwave with 2, 5 minutes incubation intervals in citrate buffer.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 antibody [AC-16] (ab6536)



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ab6536 at 1/2000 dilution staining Hsp90 in mouse colon cancer tissue section by Immunohistochemistry (Bouin's fixed paraffin-embedded tissue sections). Tissue underwent heat mediated antigen retrieval in microwave with 2, 5 minutes incubation intervals in citrate buffer. A antibody amplifier™ was used for staining. A HRP-conjugated anti mouse secondary was used at 1/10 dilution.

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