

Product datasheet

Anti-Hsp90 antibody [H90-10] ab58950

★★★★★ 1 Abreviews 2 References 2 图像

概述

产品名称	Anti-Hsp90抗体[H90-10]
描述	小鼠单克隆抗体[H90-10] to Hsp90
宿主	Mouse
特异性	ab58950 recognizes both Hsp90 alpha and Hsp90 beta
经测试应用	适用于: WB, IP, ICC/IF, Flow Cyt
种属反应性	与反应: Mouse, Rabbit, Human
免疫原	Purified full length human Hsp90 beta
阳性对照	Heat-shocked HeLa cell lysate.
常规说明	Dilute in PBS or medium which is identical to that used in the assay system. Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab203126 as a replacement.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: None Constituents: PBS, pH 7.4
纯度	Protein G purified
克隆	单克隆
克隆编号	H90-10
同种型	IgG2a

应用

Our [Abpromise guarantee](#) covers the use of **ab58950** in the following tested applications.

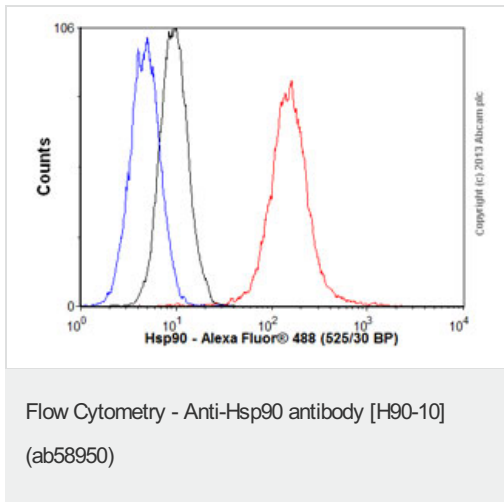
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 90 kDa (predicted molecular weight: 83 kDa).
IP		Use a concentration of 10 µg/ml.
ICC/IF		Use at an assay dependent concentration. Cells were grown on sterile coverslips then fixed with 3.7% formaldehyde in PBS for 10 minutes and permeabilized with 0.2% Triton X-100 for 10 minutes at room temperature.
Flow Cyt		Use 0.01-0.1µg for 10 ⁶ cells. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

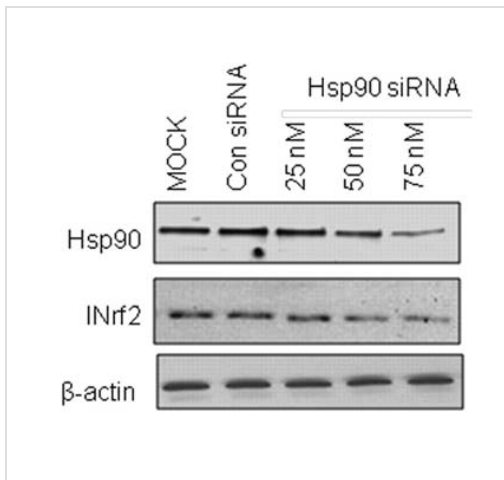
靶标

功能	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.
序列相似性	Belongs to the heat shock protein 90 family.
结构域	The TPR repeat-binding motif mediates interaction with TPR repeat-containing proteins like the co-chaperone STUB1.
翻译后修饰	ISGylated. S-nitrosylated; negatively regulates the ATPase activity and the activation of eNOS by HSP90AA1.
细胞定位	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

图片



Overlay histogram showing HeLa cells stained with ab58950 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab58950, 0.01µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (ab150113) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (ab91361, 0.1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Western Blot analysis of the effect of siRNA inhibition of Hsp90 on INrf2. Murine hepatoma (Hepa-1) cells were transfected with control siRNA or Hsp90-specific siRNA and Hsp90 (ab58950), INrf2, and actin levels were analyzed by immunoblotting.

Western blot - Anti-Hsp90 antibody [H90-10] (ab58950)

Image from Niture SK et al, J Biol Chem. 2010 Nov 19;285(47):36865-75. Epub 2010 Sep 23, Fig 6. DOI 10.1074/jbc.M110.175802.

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