

Product datasheet

Anti-Hsp90 beta (phospho S254) antibody ab51136

★★★★★ [1 Abreviews](#) [1 References](#) [2 Images](#)

Overview

Product name	Anti-Hsp90 beta (phospho S254) antibody
Description	Rabbit polyclonal to Hsp90 beta (phospho S254)
Host species	Rabbit
Specificity	Detects endogenous levels of HSP90B only when phosphorylated at serine 254.
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to Human Hsp90 beta aa 200-300 (phospho S254). Database link: P08238
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, 50% Glycerol (glycerin, glycerine), PBS</p> <p>Without Mg+2 and Ca+2</p>
Purity	Immunogen affinity purified
Purification notes	The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab51136 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
WB	★★★★★ (1)	1/500 - 1/1000. Detects a band of approximately 87 kDa (predicted molecular weight: 83 kDa).
IHC-P		Use at an assay dependent concentration.

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.

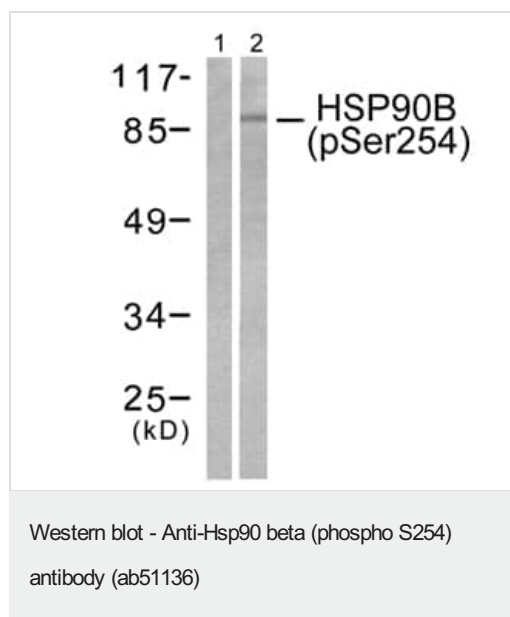
Post-translational modifications

Ubiquitinated in the presence of STUB1-UBE2D1 complex (in vitro).
ISGylated.
S-nitrosylated; negatively regulates the ATPase activity.

Cellular localization

Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images



All lanes : Anti-Hsp90 beta (phospho S254) antibody (ab51136) at 1/500 dilution

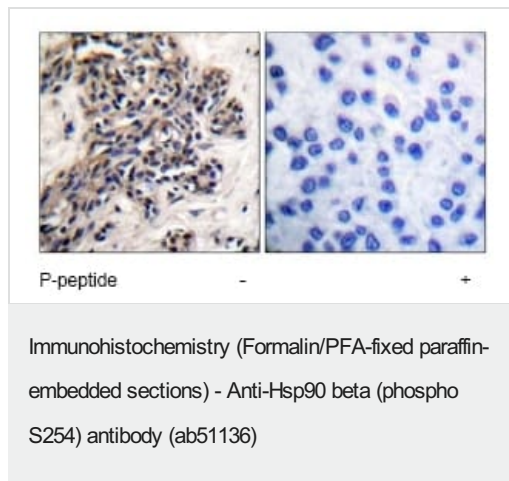
Lane 1 : extracts from Hela cells treated with TNF- α with immunizing peptide

Lane 2 : extracts from Hela cells treated with TNF- α

Lysates/proteins at 0.02 μ g/ml per lane.

Predicted band size: 83 kDa

Observed band size: 88 kDa



Ab51136 at 1/50 dilution staining human breast carcinoma tissue with and without blocking peptide; paraffin embedded.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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