


## Product datasheet

# Anti-HSP90B2P/TRAP1 antibody ab64182

[3 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-HSP90B2P/TRAP1 antibody
<b>Description</b>	Rabbit polyclonal to HSP90B2P/TRAP1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rabbit, Cow, Dog, Pig, Xenopus laevis, Zebrafish, Cynomolgus monkey, Syrian hamster, Orangutan 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab64182 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 a concentration of 2.5 µg/ml.

## Target

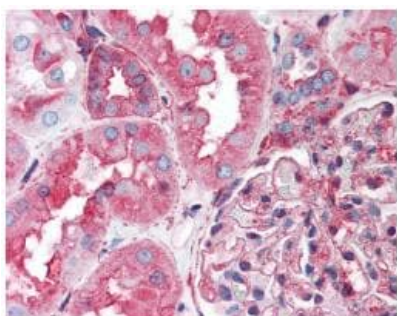
### Relevance

Hsp90 is a member of the heat shock protein 90 family that functions as a molecular chaperone and has ATPase activity. Hsp90 family proteins are highly conserved between isoforms and species. Several signal transduction pathways depend on Hsp90 function including erbB2, steroid hormone receptors (such as androgen, progesterone, glucocorticoid, and aryl-hydrocarbon), and hypoxia sensing (Hif1 alpha). Recent reports show that tumor cells are more sensitive to Hsp90 inhibition and that Hsp90 from tumor cells is more sensitive to small molecule inhibitors (eg 17AAG). The mechanism of this differential sensitivity of normal versus tumor Hsp90 is not known (although mutation has been ruled out). One possible mechanism may be differences in post-translational modification of tumor Hsp90. Hsp90 is a cytoplasmic protein that forms a homodimer in vivo, and interacts with TOM34, AHSA1, HDAC6 and SMYD3.

### Cellular localization

Endoplasmic reticulum

## Images



ab64182 (2.5ug/ml) staining HSP90B2P/TRAP1 in human kidney tissue by immunohistochemistry using formalin-fixed, paraffin-embedded tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSP90B2P/TRAP1 antibody (ab64182)

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

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