


Anti-PRAK/MK5 (phospho T182) antibody ab138668

★★★★★ [1 Abreviews](#) [3 References](#) [2 Images](#)

Overview

Product name	Anti-PRAK/MK5 (phospho T182) antibody
Description	Rabbit polyclonal to PRAK/MK5 (phospho T182)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide corresponding to Human PRAK/MK5 (internal sequence) (phospho T182).
Positive control	WB: K562 cell lysate from cells treated with sodium orthovanadate. IHC-P: Human breast carcinoma tissue.
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. Store at -20°C.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.88% Sodium chloride</p> <p>PBS is without Mg²⁺ and Ca²⁺</p>
Purity	Immunogen affinity purified
Purification notes	ab138668 was affinity purified from rabbit antiserum by affinity chromatography using epitope specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation.
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab138668 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. Predicted molecular weight: 54 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Mediates stress-induced small heat shock protein 27 phosphorylation.

Tissue specificity

Expressed ubiquitously.

Sequence similarities

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 protein kinase domain.

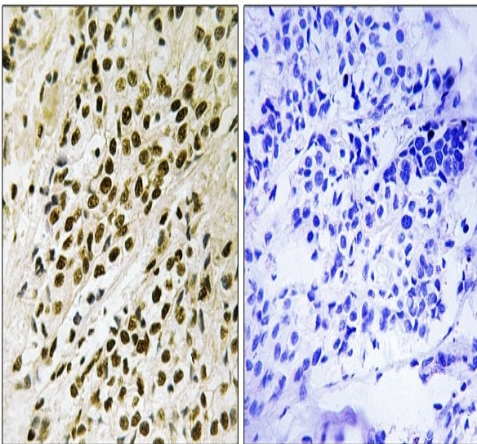
Post-translational modifications

Phosphorylated on Thr-182; which is the regulatory phosphorylation site and is located on the T-loop/loop 12.

Cellular localization

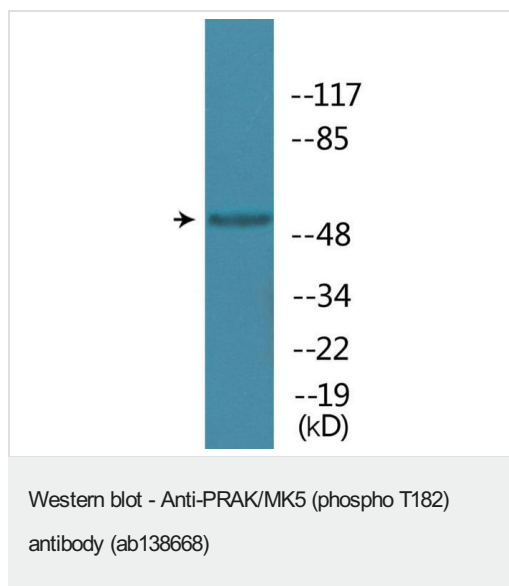
Cytoplasm. Nucleus. Also observed in the nucleus.

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue stained for PRAK/MK5 (phospho T182) using ab138668 at 1/50 dilution. The right panel shows the effect of blocking with the immunizing phospho-peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRAK/MK5 (phospho T182) antibody (ab138668)



Anti-PRAK/MK5 (phospho T182) antibody (ab138668) at 1/500 dilution + K562 cell lysate (from cells treated with 0.3 nM sodium orthovanadate for 40 minutes) at 30 µg

Predicted band size: 54 kDa

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

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