


Product datasheet

Anti-Caspase-9 (phospho T125) antibody ab192815

2 Images

Overview

Product name	Anti-Caspase-9 (phospho T125) antibody
Description	Rabbit polyclonal to Caspase-9 (phospho T125)
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human Caspase-9 (phospho T125) conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Peptide sequence around phosphorylation site of threonine 125 (P-E-T(p)-P-R). Database link: P55211
Positive control	HeLa whole cell lysate (ab150035) and Human lung 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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS, 0.87% Sodium chloride PBS without Mg ²⁺ and Ca ²⁺
Purity	Immunogen affinity purified
Purification notes	Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-

phospho specific antibodies were removed by chromatography using non-phosphopeptide.

Clonality

Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab192815 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		1/500 - 1/1000. Predicted molecular weight: 46 kDa.
IHC-P		1/50 - 1/100.

Target

Function

Involved in the activation cascade of caspases responsible for apoptosis execution. Binding of caspase-9 to Apaf-1 leads to activation of the protease which then cleaves and activates caspase-3. Proteolytically cleaves poly(ADP-ribose) polymerase (PARP). Isoform 2 lacks activity is an dominant-negative inhibitor of caspase-9.

Tissue specificity

Ubiquitous, with highest expression in the heart, moderate expression in liver, skeletal muscle, and pancreas. Low levels in all other tissues. Within the heart, specifically expressed in myocytes.

Sequence similarities

Belongs to the peptidase C14A family.
Contains 1 CARD domain.

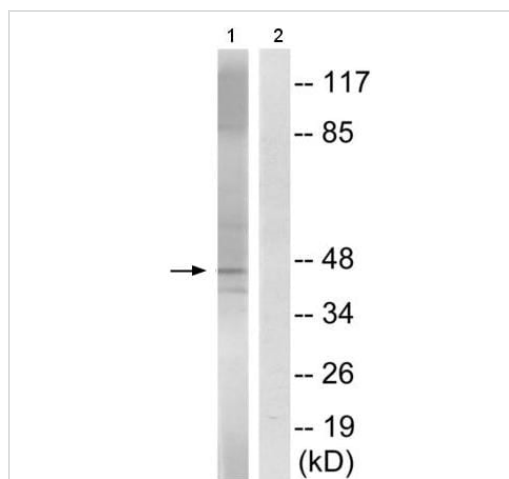
Developmental stage

Expressed at low levels in fetal heart, at moderate levels in neonate heart, and at high levels in adult heart.

Post-translational modifications

Cleavages at Asp-315 by granzyme B and at Asp-330 by caspase-3 generate the two active subunits. Caspase-8 and -10 can also be involved in these processing events.

Images



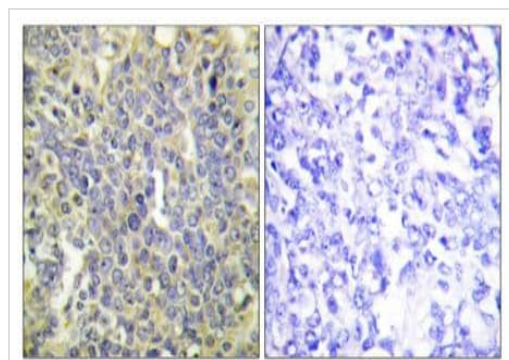
Western blot - Anti-Caspase-9 (phospho T125) antibody (ab192815)

All lanes : Anti-CDC25 (phospho S916) antibody (**ab192816**) at 1/500 dilution

Lane 1 : HeLa cell lysate with antigen-specific peptide

Lane 2 : HeLa cell lysate

Predicted band size: 46 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Caspase-9 (phospho T125) antibody (ab192815)

Immunohistochemical analysis of paraffin-embedded Human lung carcinoma tissue labeling Caspase-9 (phospho T125) using ab192815 at a 1/50 dilution, the right panel was treated with blocking peptide.

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

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