

Anti-Caspase-4 antibody ab22687

★★★★★ 1 Abreviews 5 References

Overview

Product name	Anti-Caspase-4 antibody
Description	Rabbit polyclonal to Caspase-4
Host species	Rabbit
Specificity	ab22687 recognises proenzyme (43 kDa) and the large subunit (19 kDa) and small (10 kDa) subunits of mature enzyme. For the mature enzyme, reactivity is strongest with the large subunit. No cross reactivity with other human caspases tested (1 to 3, 5 to 10, 14).
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein corresponding to Human Caspase-4.
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 or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab22687 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)	

Application notes

WB: 1/8000 - 1/16000. Detects bands of approximately 43, 19 and 10 kDa corresponding to the proenzyme, the large subunit and small subunits of mature enzyme, respectively (using Alkaline phosphatase-linked secondary antibody).

Not tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

Involved in the activation cascade of caspases responsible for apoptosis execution. Cleaves caspase-1.

Tissue specificity

Widely expressed, with highest levels in spleen and lung. Moderate expression in heart and liver, low expression in skeletal muscle, kidney and testis. Not found in the brain.

Sequence similarities

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

Post-translational modifications

The two subunits are derived from the precursor sequence by an autocatalytic mechanism or by cleavage by Caspase-8.

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

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