


Product datasheet

Anti-NALP2 antibody ab115614

1 Image

Overview

Product name	Anti-NALP2 antibody
Description	Rabbit polyclonal to NALP2
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human NALP2 (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab125849)
Positive control	Human Brain Cortex 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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituent: 99% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab115614 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 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Suppresses TNF- and CD40-induced NFKB1 activity at the level of the IKK complex, by inhibiting NFKBIA degradation induced by TNF. When associated with PYCARD, activates CASP1, leading to the secretion of mature proinflammatory cytokine IL1B. May be a component of the inflammasome, a protein complex which also includes PYCARD, CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases.

Tissue specificity

Expressed at high levels in lung, placenta and thymus and at lower levels in ovary, intestine and brain.

Sequence similarities

Belongs to the NLRP family.
Contains 1 DAPIN domain.
Contains 8 LRR (leucine-rich) repeats.
Contains 1 NACHT domain.

Domain

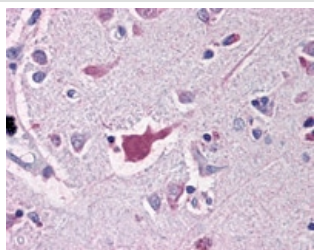
The DAPIN domain is necessary and sufficient for suppression of NFKB1 activation induced by TNF and for inducing IL1B secretion in collaboration with caspase-1. It is involved in interaction with PYCARD.

When isolated, the NACHT domain is involved in interaction with CARD8. This interaction is not detected for the full-length protein, maybe due to autoinhibition, this inhibition might be relieved by an inducible change in protein folding.

Cellular localization

Cytoplasm.

Images



ab115614, at 5µg/ml, staining NLRP2 in Formalin-fixed, Paraffin-embedded Human brain cortex tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NALP2 antibody (ab115614)

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

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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