



[Go to Product page](#)

Datasheet for ABIN907633  
**anti-NLRP4 antibody (AA 351-450) (Cy5)**

### Overview

Quantity:	100 µL
Target:	NLRP4
Binding Specificity:	AA 351-450
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP4 antibody is conjugated to Cy5
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NALP4
Isotype:	IgG
Specificity:	This antibody will detect multiple forms of NALP4, including the A, C and E Mouse variants.
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Pig,Horse
Purification:	Purified by Protein A.

### Target Details

Target:	NLRP4
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## Target Details

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Alternative Name: NALP4 ([NLRP4 Products](#))

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Background: Synonyms: NACHT, LRR and PYD domains-containing protein 4, Cancer/testis antigen 58, CT58, PAAD and NACHT-containing protein 2, PAN2, PYRIN and NACHT-containing protein 2, PYRIN-containing APAF1-like protein 4, PYPAF4, Ribonuclease inhibitor 2, NLRP4, NALP4, RNH2

Background: May be involved in inflammation and recognition of cytosolic pathogen-associated molecular patterns (PAMPs) not intercepted by membrane-bound receptors. Acts as a negative regulator of the type I interferon signaling pathway by serving as an adapter to promote DTX4-mediated ubiquitination of activated TBK1, and its subsequent degradation. Suppresses NF-kappaB induction by the cytokines TNFA and IL1B, suggesting that it operates at a point of convergence in these two cytokine signaling pathways.

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Gene ID: 147945

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UniProt: [Q96MN2](#)

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Pathways: [Inflammasome](#)

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## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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Preservative: ProClin

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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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## Handling

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Expiry Date: 12 months