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Datasheet for ABIN783707

## anti-NLRP5 antibody (C-Term)

### 1 Image

#### Overview

Quantity:	0.1 mg
Target:	NLRP5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP5 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

#### Product Details

Immunogen:	14 amino acid peptide near the carboxy terminus of human NALP5
Specificity:	This antibody detects NLRP5 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

#### Target Details

Target:	NLRP5
Alternative Name:	NLRP5 ( <a href="#">NLRP5 Products</a> )
Background:	NALP proteins include the apoptosis regulator APAF1 (apoptotic protease activating factor 1) and mammalian NOD-LRR proteins and are thought to be involved in inflammation and

## Target Details

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reproduction. NALP5, also known as MATER, is a maternal gene required for early embryonic development in mice. Increased NALP5 expression was observed in two neuronal injury models, and transient expression of recombinant NALP5 in neurons induced caspase-3 activation and apoptosis, suggesting that NALP5 also plays a role in caspase activation and apoptosis in injured neurons, and may thus represent a novel target for therapeutic treatment in neurodegenerative disorders. Synonyms: LRR and PYD domains-containing protein 5, MATER, NALP5

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Gene ID: 126206

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NCBI Accession: [NP\\_703148](#)

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UniProt: [P59047](#)

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Pathways: [Inflammasome](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Buffer: PBS containing 0.02 % sodium azide

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Preservative: Sodium azide

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

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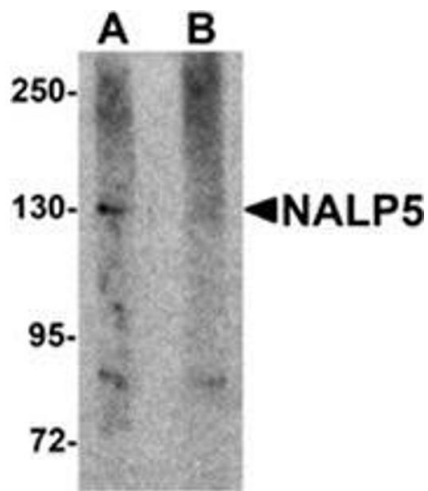
Handling Advice: Avoid repeated freezing and thawing.

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Storage: 4 °C/-20 °C

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Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



### Western Blotting

**Image 1.** Western blot analysis of NALP5 in mouse brain tissue lysate with NALP5 antibody at 1  $\mu\text{g/ml}$  in (A) the absence and (B) the presence of blocking peptide.