

Datasheet: AHP1772

Description:	RABBIT ANTI HUMAN NALP1
Specificity:	NALP1
Other names:	CARD7
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin(1)	■			2 - 5ug/ml
Western Blotting	■			1 - 2ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)Special conditions apply. See (*).

Target Species	Human
Product Form	Ig fraction - liquid
Antiserum Preparation	Antisera to human NALP1 were raised by repeated immunisation of rabbits with highly purified antigen. Ig fraction prepared from whole serum by ammonium sulphate precipitation.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide sequence corresponding to 13 amino acids near the carboxy-terminus of human NALP1.
External Database Links	<p>UniProt: Q9C000 NALP1_HUMAN Related reagents</p> <p>Entrez Gene: 22861 NLRP1 Related reagents</p>
Synonyms	CARD7, DEFCAP, KIAA0926, NAC, NALP1
Specificity	<p>AHP1772 recognises human NALP1, a cytoplasmic and nuclear protein belonging to the NLRP family. Alternative splicing results in at least 4 isoforms.</p> <p>NALP1 forms cytoplasmic structures termed death effector filaments. It enhances APAF1 and cytochrome c-dependent activation of pro-caspase-9 and consecutive apoptosis. NALP1 stimulates apoptosis through activation of caspase-3 and is involved in the activation of caspase-1 and caspase-5 as part of the NALP1 inflammasome</p>

complex, leading to processing and release of IL1B and IL18.

NALP1 is widely expressed in a range of tissues, highest expression is seen in peripheral blood leukocytes (T-lymphocytes, granulocytes and monocytes) and in chronic myelogenous leukaemia cell line K-562. Strong expression is also observed in the thymus, spleen and heart, and NALP1 may be detected in other tissues such as the brain, lung, placenta, small intestine, colon, kidney, liver, muscle, testis and epithelial cells.

Research has demonstrated that NALP1 expression is significantly increased in bone marrow blast cells of some acute leukaemia patients but not in solid tumours.

Immunohistology	* This product requires antigen retrieval using heat treatment for 20 minutes prior to staining of paraffin sections. 0.01 M sodium citrate buffer, pH 6.0 is recommended for this purpose.
Histology Positive Control Tissue	Human brain (cortex)
Storage	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet Documentation #10040 available at: http://www.abdserotec.com/uploads/MSDS/10040.pdf

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

For research purposes only, unless otherwise specified in writing by AbD Serotec.

'M178024:110225'



AbD Serotec offices contact details click [here](#)

Address:

MorphoSys UK Ltd, Endeavour House, Langford
Business Park, Langford Lane, Kidlington,
Oxford, OX5 1GE, UK

Tel: +44 (0)1865 852700

Email: tech.uk@abdserotec.com

Web: www.abdserotec.com

Printed on 08 Nov 2011