antibodies

Datasheet for ABIN7160832 anti-NLRP6 antibody (AA 154-306) (Biotin)



Overview

Our set it a	100
Quantity:	100 µg
Target:	NLRP6
Binding Specificity:	AA 154-306
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP6 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human NACHT, LRR and PYD domains-containing protein 6 protein (154-306AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NLRP6
Alternative Name:	NLRP6 (NLRP6 Products)
Background:	Background: As the sensor component of the NLRP6 inflammasome, plays a crucial role in
	innate immunity and inflammation. In response to pathogens and other damage-associated

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	signals, initiates the formation of the inflammasome polymeric complex, made of NLRP6,
	PYCARD and CASP1 (and possibly CASP4 and CASP5). Recruitment of proCASP1 to the
	inflammasome promotes its activation and CASP1-catalyzed IL1B and IL18 maturation and
	secretion in the extracellular milieu. The precise NLRP6 activation stimulus has not been
	identified yet (By similarity) (PubMed:12387869). Essential for gut mucosal self-renewal and
	proliferation. Maintains intestinal homeostasis and a healthy intestinal microbiota. This
	function is, at least partially, mediated by IL18, and not IL1B, produced by nonhematopoietic
	cells. Influences intestinal barrier function and microbial homeostasis through the regulation of
	goblet cell mucus secretion. Acts by promoting autophagy in goblet cells, an essential step for
	mucus granule exocytosis. Its role in goblet cell physiology is inflammasome-dependent, but
	IL1B- and IL18-independent. During systemic bacterial infections, may negatively regulate
	inflammatory signaling and inhibit the influx of monocytes and neutrophils to the circulation
	and to the peritoneum. May promote peripheral nerve recovery following injury via an
	inflammasome-independent mechanism (By similarity).
	Aliases: Angiotensin II/vasopressin receptor antibody, AVR antibody, CLR11.4 antibody, NACHT,
	leucine rich repeat and PYD containing 6 antibody, NACHT, LRR and PYD containing protein 6
	antibody, NACHT, LRR and PYD domains-containing protein 6 antibody, NAVR antibody,
	NAVR/AVR antibody, NLR family, pyrin domain containing 6 antibody, NIrp6 antibody,
	NLRP6_HUMAN antibody, Nucleotide binding oligomerization domain, leucine rich repeat and
	pyrin domain containing 6 antibody, PAN3 antibody, PYPAF5 antibody, PYRIN containing APAF1
	like protein 5 antibody, PYRIN-containing APAF1-like protein 5 antibody
UniProt:	P59044
Pathways:	Inflammasome

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300	
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4	
Preservative:	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4 ProClin	

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Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should l handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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