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Datasheet for ABIN1169386 anti-Caspase 1 (p10) antibody

1 Image

6 Publications



Overview

Quantity:	100 µg
Target:	Caspase 1 (p10) (CASP-1 (p10))
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant mouse caspase-1.
Clone:	Casper-2
lsotype:	lgG2a
Specificity:	Recognizes endogenous full-length and activated (p10 fragment) mouse caspase-1.
Cross-Reactivity:	Mouse (Murine)
Purification:	Purified from concentrated hybridoma tissue culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	Caspase 1 (p10) (CASP-1 (p10))
Alternative Name:	Caspase-1 p10 (CASP-1 (p10) Products)
Background:	Caspase-1 is the best-described inflammatory caspase. It processes the cytokines interleukin-

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	1beta (IL-1beta) and IL-18 and induces pyroptotic cell death. Caspase-1 is activated by
	multiprotein complexes called inflammasomes in response to numerous stimuli that are
	detected through distinct inflammasomes. NLRC4 responds to cytosolic flagellin, murine
	NLRP1b responds to anthrax lethal toxin, AIM2 responds to cytosolic DNA and NLRP3
	responds to a variety of agonists including crystals.
UniProt:	P29452
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C
	Long Term Storage: -20°C
	Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months
Publications	
Product cited in:	Sobolik-Delmaire, Reddy, Pashaj, Roberts, Wahl: "Plakophilin-1 localizes to the nucleus and
	interacts with single-stranded DNA." in: The Journal of investigative dermatology, Vol. 130,
	Issue 11, pp. 2638-46, (2010) (PubMed).
	There are more publications referencing this product on: Product page

Target Details

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Western Blotting

Image 1. Mouse Caspase-1 (p10) is detected by immunoblotting using anti-Caspase-1 (p10) (mouse), mAb (Casper-2) . Method: Caspase-1 was analyzed by Western blot in supernatants of differentiated bone marrow-derived dendritic cells (BMDCs) from wild-type and caspase-1 -/- mice activated or not by 5 μ M Nigericin for 30 min . Supernatants (30 μ I) were separated by SDS-PAGE under reducing conditions, transferred to nitrocellulose and incubated with anti-Caspase-1 (p10) (mouse), mAb (Casper-2) (1 μ g /mI). Proteins were visualized by a chemiluminescence detection system.