

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human NLRP10/Pynod/NALP10 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) NALP1 (aa 1-323), rhNALP1 (aa 1331-1429), rhNALP2 (aa 1-208), rhNALP3 (aa 3-223), rhNALP3 (aa
Source	Monoclonal Mouse IgG _{2B} Clone # 578502
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NLRP10/Pynod/NALP10 Met386-Ile655 Accession # Q86W26
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

NLRP10, also known as Pynod, NALP10, and NOD8, is a 75 kDa cytoplasmic protein that associates with the ASC component of inflammasomes. NLRP10 inhibits ASC-dependent apoptosis, NFκB activation, and Caspase-1-dependent processing of IL-1β. Human NLRP10 contains one Pyrin domain (aa 1-96) and one NACHT domain (aa 167-484) but no leucine-rich repeats. Within aa 386-655, human NLRP10 shares approximately 50% aa sequence identity with mouse and rat NLRP10.

PRODUCT SPECIFIC NOTICES

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