

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NLRP2/NALP2 in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 443625
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NLRP2/NALP2 Met1-Thr208 Accession # Q9NX02
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

NLRP2, also known as NALP2, is a cytosolic 121 kDa member of the NLRP family of proteins. It is expressed in macrophages and exhibits divergent effects on inflammation. Via NFκB, it suppresses TNF-α production in response to LPS; via procaspase-1, it promotes proIL-1β cleavage and release. Human NLRP2 is 1062 amino acids (aa) in length. It contains an N-terminal Pyrin domain (aa 9-90), followed by a Nacht region and nine LRRs (aa 467-1033). Four alternate isoforms exist. Three show deletions of aa 109-132, aa 133-154 and aa 847-1062, respectively; a fourth shows a 38 aa substitution for aa 1-903. No close rodent counterparts have been reported.

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