Human NLRP2/NALP2 Antibody

Antigen Affinity-purified Polyclonal Sheep IgG

Catalog Number: AF4684

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NLRP2/NALP2 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human NLRP2/NALP2 Met1-Thr208 Accession # Q9NX02
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

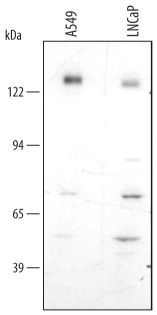
APPLICATIONS

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.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human NLRP2/NALP2 by Western Blot. Western blot shows lysates of A549 human lung carcinoma cell line and LNCaP human prostate cancer cell line. PVDF membrane was probed with 1 µg/mL of Human NLRP2/NALP2 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4684) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for NLRP2/NALP2 at approximately 130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

NALP2 (NAcht Leucine-rich repeat Protein 2, also known as NLRP2 and PAN1) 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 NALP2 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's 109-132, 133-154 and 847-1062, respectively; a fourth shows a 38 aa substitution for aa's 1-903. No close rodent counterparts have been reported.

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