

DESCRIPTION

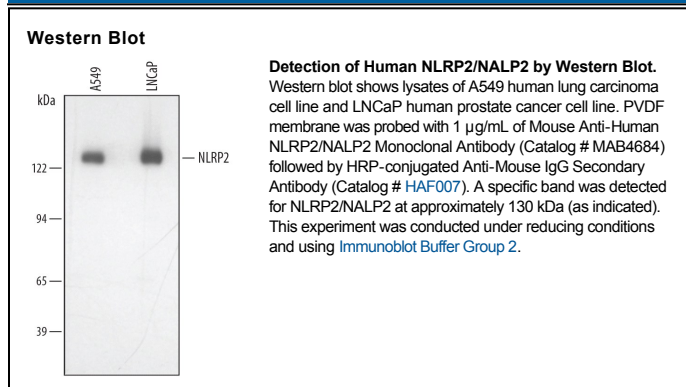
Species Reactivity	Human
Specificity	Detects human NLRP2/NALP2 in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 443625
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NLRP2/NALP2 Met1-Thr208 Accession # Q9NX02
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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. <ul style="list-style-type: none"> ● 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

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.