

Human PRR5 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5309

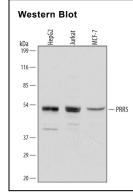
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects endogenous human PRR5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human PRR5 Tyr126-Ala259 Accession # P85299
Formulation	Lyophilized from a 0.2 µm filtered solution 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



Detection of Human PRR5 by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line, Jurkat human acute T cell leukemia cell line, and MCF-7 human breast cancer cell line. PVDF membrane was probed with 1 µg/mL of Human PRR5 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5309) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for PRR5 at approximately 50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

П	В	-	n	м	о	41	- 1	м.	м	Α.	м	п	·c	т	\boldsymbol{n}	ю	м	\boldsymbol{c}	-
г	м	_	г,	н	N	Α٧	H.	и	N	А	IN	v		ш	u	м	А	v.	

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe 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

PRR5 (Pro-rich protein 5; also Protor-1) is a 42-46 kDa member of the Protor family of proteins. It is widely expressed, and forms part of mTORC2, an enzyme complex that regulates Atk and PKC α . At present, it appears PRR5 promotes mTORC2 activity. Human PRR5 is 388 amino acids (aa) in length. It possesses two RICTOR-interaction sites (aa 10-95 and 188-218) and a C-terminal Pro-rich region. There are multiple splice forms of PRR5. Either individually, or in-common, there is an alternate start site at Met10 (β isoform) and Met96 (γ isoform), a deletion of aa 45-71, 161-388, and 236-388, a 17 aa insertion after Gly108, and a six aa substitution for aa 1-107. Over aa 26-259 of the 41 kDa β isoform (NP_056181), there is 95% aa identity between human and mouse PRR5.

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