

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human PRR5 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human PRR5 Tyr126-Ala259 Accession # P85299
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

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 Akt and PKCα. 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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