

Anti-NALP2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Horse,Rabbit)
Molecular Weight:	Theoretical: 117 kDa. Actual: 117 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-NALP2/PAN1/PYPAF2 Polyclonal Antibody, Unconjugated (TMAB-09214) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining

2. Sample:

Thymus (Mouse) Lysate at 40 µg

A431 (Human) Cell Lysate at 30 µg

Molt-4 (Human) Cell Lysate at 30 µg

Primary: Anti-NALP2 (TMAB-09214) at 1/500 dilution

Verified Activity: Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 117 kD

Observed band size: 117 kD

3. Sample:

Lane 1: Mouse Thymus tissue lysates

Lane 2: Mouse Ovary tissue lysates

Lane 3: Rat Placenta tissue lysates

Lane 4: Human MCF-7 cell lysates

Primary: Anti-NALP2 (TMAB-09214) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 117 kDa

Observed band size: 120 kDa

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human NACHT, LRR and PYD domains-containing protein 2
Antigen Species: Human
Gene ID: 55655
Uniprot ID: Q9NX02

Research Background

NALP proteins, such as NALP2, are characterized by an N-terminal pyrin (MIM 608107) domain (PYD) and are involved in the activation of caspase-1 (CASP1; MIM 147678) by Toll-like receptors (see TLR4; MIM 603030). They may also be involved in protein complexes that activate proinflammatory caspases (Tschopp et al., 2003 [PubMed 12563287]).[supplied by OMIM, Mar 2008].

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481