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TLR3 antibody

**Catalog Number:** PR-0440

**Background:** Key component of innate and adaptive immunity. TLRs (Toll-like receptors) control host immune response against pathogens through recognition of molecular patterns specific of microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. TLR3 is highly expressed in placenta and pancreas, and is limited to the dendritic subpopulation of leukocytes.

**Description:** Rabbit polyclonal to TLR3

**Immunogen:** KLH conjugated synthetic peptide derived from TLR3

**Specificity:** Recognizes TLR3 of Human, Mouse and Rat in Western blot and immunohistochemical staining.

**Isotype:** Rabbit IgG

**Quantity:** 200 $\mu$ l (1mg/mL)

**Formulation:** 1% BSA, 0.01M phosphate-buffered saline, pH 7.4, 0.05% NaN<sub>3</sub>.

**Purity:** Affinity chromatography purification by Protein A Column.

**Application:**

- Western blotting: 1/100-500. Predicted Mol wt: 104 KDa;
- Immunohistochemistry in formalin fixed frozen section: 1:100-500;
- Immunohistochemistry in paraffin section: 1:100-500;
- Immunocytochemistry/Immunofluorescence: 1/100;
- Immunoprecipitation: 1/50;
- ELISA: 1/500;
- Optimal working dilutions must be determined by the end user.

**Antigen Retrieval of Tissue:** The paraffin section in 10mM citrate buffer, pH 6.0, for 10~15mins is required the staining of paraffin sections.

**Storage:** Store at -20 °C for one year. Lyophilized antibody is stable at room temperature for at least two month and for greater than a year when kept at -20°C to -70°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody, the antibody is stable for at least six weeks at 2-8 °C. Avoid repeated freeze/thaw cycles.

**Important Note:** Gently centrifuge microtube to remove product from lid. This product as supplied is intended for in vitro laboratory use only, not for use in human, therapeutic or diagnostic applications.