

## Product datasheet for **TA337079**

### TLR3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Immunohistochemistry, Western Blot: 0.1 - 1.0 ug/mL, Immunocytochemistry/ Immunofluorescence: 1:10 - 1:2000, Immunohistochemistry-Frozen: 1:10 - 1:2000
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A portion of amino acids 750-800, containing a phosphorylated tyrosine residue at position 759, of human TLR3 was used as the immunogen.
Formulation:	PBS, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	toll like receptor 3
Database Link:	<a href="#">NP_003256</a> <a href="#">Entrez Gene 142980 Mouse</a> <a href="#">Entrez Gene 7098 Human</a> <a href="#">O15455</a>



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<b>Background:</b>	<p>The Toll-like receptor (TLR) family in mammal comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Like its counterparts in <i>Drosophila</i>, TLRs signal through adaptor molecules (1) and could constitute an important and unrecognized component of innate immunity in humans. The TLR family is a phylogenetically conserved mediator of innate immunity that is essential for microbial recognition (2). TLRs characterized so far activate the MyD88/interleukin-1 receptor-associated kinase (IRAK) signaling pathway. Ten human homologs of TLRs (TLR1-10) have been described (3). TLR3 cDNA codes for a protein with approximate molecular weight of 120 kDa (4). TLR3 has a restricted expression pattern being expressed in dendritic cells (DC) (4-6). TLR3 mRNA expression was detected by in situ hybridization in DC and lymph nodes (6). The expression of TLR3 in a single cell type may indicate a specific role for this molecule in a restricted setting.</p>
<b>Synonyms:</b>	CD283; IIAE2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Toll-like receptor signaling pathway