10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TLR5 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10268

Specification

TLR5 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	O60602
Other Accession	NM_003268, NP_003259
Reactivity	**Human, Rat, Pig, Goat, Sheep, Bovine**
Predicted	**Human, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**98kDa KDa**

TLR5 antibody - N-terminal region - Additional Information

Gene ID 7100

Alias Symbol	**FLJ10052, MGC126430, MGC126431, SLEB1, TIL3**

Other Names
Toll-like receptor 5, Toll/interleukin-1 receptor-like protein 3, TLR5, TIL3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-TLR5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
TLR5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TLR5 antibody - N-terminal region - Protein Information

Name TLR5

Synonyms TIL3

Function
Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response (PubMed:11323673, PubMed:18490781). Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident

microbiota (PubMed:29934223). Upon ligand binding such as bacterial flagellins, recruits intracellular adapter proteins MYD88 and TRIF leading to NF- kappa-B activation, cytokine secretion and induction of the inflammatory response (PubMed:20855887, PubMed:11489966). Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life (By similarity).

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Highly expressed on the basolateral surface of intestinal epithelia (PubMed:11489966). Expressed also in other cells such as lung epithelial cells (PubMed:11489966, PubMed:18490781)

TLR5 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

