

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](http://www.uniprot.org/citations/11323673), PubMed: [18490781](http://www.uniprot.org/citations/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:11489966, PubMed:20855887). 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 Cytometry](#)
- [Cell Culture](#)

