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TLR5 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10268

Product Information

Application	WB
Primary Accession	O60602
Other Accession	NM_003268, NP_003259
Reactivity	Human, Rat, Pig, Goat, Bovine, Sheep
Predicted	Human, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	97800

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.

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: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)

References

Hume,G.E., (2008) Inflamm. Bowel Dis. 14 (5), 585-590 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

