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11-3047: Polyclonal Antibody to h TLR5

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	TLR5
Gene ID :	7100
Uniprot ID :	O60602
Format :	Purified
Alternative Name :	TIL3
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant h TLR5 protein (amino acids 280-500) was used as the immunogen for this antibody.

Description

Toll-like receptor 5 (TLR5) plays a fundamental role in pathogen recognition and downstream signaling to induce effective immunity. It is well expressed in major old tissues including lung, skin, intestine, and spleen. TLR5 is present in synovial of patients with rheumatoid arthritis (RA), act as novel mediator of innate immunity-induced osteoclastogenesis and bone loss. TLR5 is a receptor for flagellin and is present on the basolateral surface of intestinal epithelial cells. It is involved in the migration of intestinal epithelial cells through activation of the p38 MAPK pathway. TLR5-mediated signaling specifically enhanced the maturation of lung dendritic cells. TLR5 influences the progression and outcome of ovarian, sarcoma, and luminal breast tumors. Mutations in TLR5 have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 2-4 µg/ml

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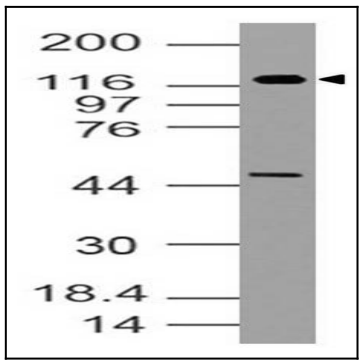

Figure-1: Western blot analysis of h TLR5. Anti-h TLR5 antibody (11-3047) was used at 2 µg/ml on Raji lysate.

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