



Rabbit Anti-Human TLR5 Polyclonal Antibody (CABT-L2179)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Toll Like Receptor 5 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against TLR5. It has been selected for its ability to recognize TLR5 in immunohistochemical staining and western blotting.
Target	TLR5
Immunogen	Recombinant fragment corresponding to human TLR5 (Asn46~Ala205)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction	This gene encodes a member of the toll-like receptor (TLR) family, which plays a fundamental role in pathogen recognition and activation of innate immune responses. These receptors recognize distinct pathogen-associated molecular patterns that are expressed on infectious agents. The protein encoded by this gene recognizes bacterial flagellin, the principal component of bacterial flagella and a virulence factor. The activation of this receptor mobilizes the nuclear factor NF-kappaB, which in turn activates a host of inflammatory-related target genes. Mutations in this gene have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.[provided by RefSeq, Dec 2009]
---------------------	---

Keywords	CD285;SLEB1;TIL3;Toll/Interleukin-1 Receptor-Like Protein 3
-----------------	---

GENE INFORMATION

Gene Name	TLR5 toll-like receptor 5 [Homo sapiens (human)]
Official Symbol	TLR5
Synonyms	TLR5; toll-like receptor 5; SLE1; TIL3; SLEB1; MELIOS; toll/interleukin-1 receptor-like protein 3; systemic lupus erythematosus susceptibility 1;
Entrez Gene ID	7100
Protein Refseq	NP_003259
UniProt ID	O60602
Chromosome Location	1q41-q42
Pathway	Immune System; Inflammatory bowel disease (IBD); Innate Immune System; Legionellosis; MyD88 cascade initiated on plasma membrane; Pathogenic Escherichia coli infection; Regulation of toll-like receptor signaling pathway; Salmonella infection;
Function	interleukin-1 receptor binding; transmembrane signaling receptor activity;