

## Anti-TLR5 Antibody (2G565)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2G565
Purification:	Affinity-chromatography

### Applications

	Western Blot
	-Positive WB detected in: THP-1 whole cell lysate, RAW264.7 whole cell lysate, U-251 whole cell lysate, K562 whole cell lysate
Verified Activity:	-All lanes: TLR5 antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 98 kDa -Observed band size: 98 kDa
Application:	ELISA,WB
Recommended	WB:1:500-1:5000.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	A synthetic peptide: Human TLR5
Antigen Species:	Human
Gene ID:	7100
Uniprot ID:	O60602
Synonyms:	TIL3;TLR 5;Toll-like receptor 5;Toll/interleukin-1 receptor-like protein 3
Biology Area:	Immunology

### Research Background

Pattern recognition receptor (PRR) located on the cell surface that participates in the activation of innate immunity and inflammatory response. Recognizes small molecular motifs named pathogen-associated molecular pattern (PAMPs) expressed by pathogens and microbe-associated molecular patterns (MAMPs) usually expressed by resident microbiota. 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. Plays thereby an important role in the relationship between the intestinal epithelium and enteric microbes and contributes to the gut microbiota composition throughout life.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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