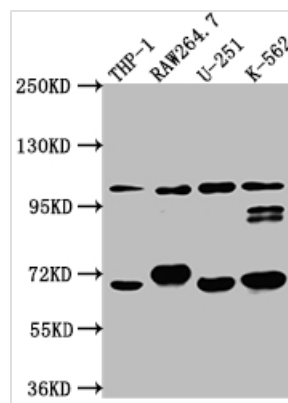




# TLR5 Antibody

<b>Product Code</b>	CSB-RA545516A0HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	O60602
<b>Immunogen</b>	A synthesized peptide derived from human TLR5
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA, WB; Recommended dilution: WB:1:500-1:5000
<b>Relevance</b>	Participates in the innate immune response to microbial agents. Mediates detection of bacterial flagellins. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response.
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	TLR5
<b>Accession NO.</b>	10D8

## Image



### 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

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

## Description

TLR5 is expressed constitutively in epithelial cells and immune cells, such as monocytes and immature DCs. TLR5 is preferentially expressed on the apical side of respiratory epithelia in both mice and humans. Thus, TLR5 can induce



early signaling dedicated to protective innate immune responses against respiratory infection. Mammalian TLR5 binds flagellin as an indicator of bacterial infection. TLR5 recognizes the conserved domain in flagellin monomers and triggers proinflammatory responses. TLR5 plays a crucial role in both immune homeostasis and protection against bacterial infection in mammals, birds, amphibians, fish, and reptiles.

The generation of this recombinant TLR5 antibody occurs in a series of steps: immunization, splenocytes & PBMC, single B cell sorting, mRNA extraction, RT-PCR & insert vector, expression, ELISA validation. And ELISA, WB was carried out Every step was performed under strict standards to ensure the researchers can have a recombinant TLR5 antibody with premium quality.