

# [KO Validated] TLR4 Rabbit Polyclonal Antibody



CAB11226

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

110kDa

### Calculated MW:

73kDa/91kDa/95kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This receptor has been implicated in signal transduction events induced by lipopolysaccharide (LPS) found in most gram-negative bacteria. Mutations in this gene have been associated with differences in LPS responsiveness. Multiple transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

7099

### Uniprot

O00206

### Synonyms:

TLR4; ARMD10; CD284; TLR-4; TOLL

### Immunogen:

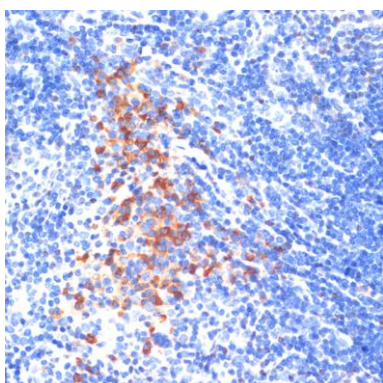
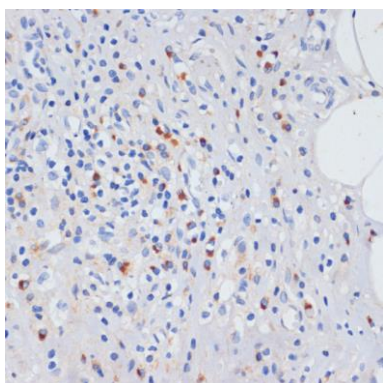
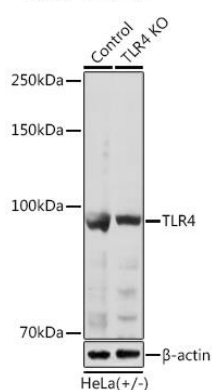
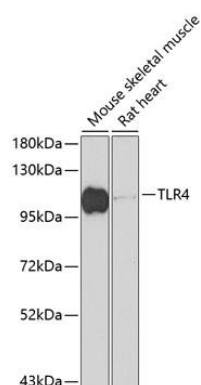
A synthetic peptide corresponding to a sequence within amino acids 500-600 of human TLR4 (NP\_612564.1).

### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

---



Western blot analysis of extracts of various cell lines, using TLR4 antibody (CAB11226) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 30s.

Western blot analysis of extracts from normal (control) and TLR4 Rabbit pAb knockout (KO) HeLa cells, using TLR4 Rabbit pAb antibody (CAB11226) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 1s.

Immunohistochemistry of paraffin-embedded human appendix using TLR4 antibody (CAB11226) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded mouse spleen using TLR4 antibody (CAB11226) at dilution of 1:100 (40x lens).