# Rabbit anti-Human, Mouse TLR4 Polyclonal Antibody | anti-TLR4 antibody

TLR4 Antibody: ATTO 488

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA103588** | **Rabbit** | **Human, Mouse** | **Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

TLR4; Polyclonal Antibody; TLR4 Antibody: ATTO 488; ARMD10; CD284; TLR 4; TOLL; Toll like receptor 4; anti-TLR4 antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Form/Format** | Affinity Purified |
| **Concentration** | 1mg/mL (varies by lot) |
| **Sequence Length** | 839 |
| **Applicable Applications for anti-TLR4 antibody** | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| **Conjugate** | ATTO 488 |
| **Storage Buffer** | PBS, 0.05% BSA, 0.05% sodium azide |
| **Preparation and Storage** | -20 degree C |

## IMAGES

**IHC (Immunohistochemistry)**
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100.

**IHC (Immunohistochemisry)**
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: Spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100.

**WB (Western Blot)**
Western blot analysis of Human, Mouse Cell line lysates showing detection of TLR4 protein using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:1000.

**IHC (Immunohistochemistry)**
Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200). Tissue: colon colitis. Species: Mouse. Fixation: Formalin. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (SPC-200) at 1:100000 for 12 hours at 4 degree C. Secondary Antibody: Biotin Goat Anti-Rabbit at 1:2000 for 1 hour at RT. Counterstain: Methyl Green at 200uL for 2 min at RT. Localization: Inflammatory cells.

## ADDITIONAL INFORMATION

| | |
|---|---|
| **Related Product Information for anti-TLR4 antibody** | **Background Info:** Detects ~75-80kDa when tested against partial recombinant mouse TLR4 (extra-cellular portion plus His-tag).<br><br>**Scientific Background:** The Toll-like receptor (TLR) family in mammal comprises a family of trans-membrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and 1L-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules (1). The TLR family is a phylo-genetically conserved mediator of innate immunity that is essential for microbial recognition (2). Ten human homologs of TLRs (TLR1-10) have been described (3). Amount this family of receptors, TLR2 and TLR4 have been most studied. These studies have suggested that TLR2 and TLR4 may serve as potential main mediators of LPS signaling (4,5). The mouse TLR4 cDNA codes for a protein consisting of 839 amino acids, with an approximate molecular weight of 90kDa (6). |
| **Product Categories/Family for anti-TLR4 antibody** | Cell Signaling; Organelle Markers |
| **References** | 1.JMuzio M., Natoli G., Saccan S., Levrero M., and Mantovani A. (1998) J. Exp. Med. 187: 2097-2101. 2. Medzhitov R. and Janeway C.A (1997). Cell 91: 295-298. 3. Chuang T.H. and Ulevitch R.J. (2001) Biochim. Biophys. Acta 1518 (1-2): 157-161). 4. Takeuchi O., et al. (1999) Immunity 11: 443. 5. Poltorak A., Riccardi-Castagnoli P., Citterio S., and Butler B. (2000) Proc. Natl. Acad. Sci USA 97: 2163-2167. 6. Medzhitov R., Preston-Hurlburt P. and Janeway C.A. (1997) Jr. Nature 388 (6640): 394-397. |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 19924149 |
| **NCBI GeneID** | 7099 |
| **NCBI Accession #** | NP_612564.1 |
| **NCBI GenBank Nucleotide #** | NM_138554.4 |
| **UniProt Accession #** | O00206; Q5VZI8; Q5VZI9; Q9UK78; Q9UM57; A8K1Y8; A9XLP9; A9XLQ0; A9XLQ1; B4E194; D1CS52; D1CS53 |
| **Molecular Weight** | 73,301 Da |
| **NCBI Official Full Name** | toll-like receptor 4 isoform A |
| **NCBI Official Synonym Full Names** | toll-like receptor 4 |
| **NCBI Official Symbol** | TLR4 |
| **NCBI Official Synonym Symbols** | TOLL; CD284; TLR-4; ARMD10 |
| **NCBI Protein Information** | toll-like receptor 4; hToll; homolog of Drosophila toll |
| **UniProt Protein Name** | Toll-like receptor 4 |
| **UniProt Gene Name** | **TLR4** |
| **UniProt Entry Name** | TLR4_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/tlr4-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/103588