

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

## 39-2114: Anti-TLR4 Polyclonal Antibody

**Clonality:** Polyclonal

Application :WBReactivity :HumanGene :TLR4Gene ID :7099Uniprot ID :000206

**Alternative Name:** Toll-like receptor 4; hToll; CD284; TLR4

**Isotype:** Rabbit IgG

Immunogen Information: A synthetic peptide corresponding to a sequence at the N-terminus of human TLR4(50-68aa

DNLPFSTKNLDLSFNPLRH).

## **Description**

TLR4, Toll-like receptor 4, is a protein that in humans is encoded by the TLR4 gene. TLR 4 is a toll-like receptor. TLR4, the human homolog of Drosophila Toll, is a type I transmembrane protein with an extracellular domain consisting of a leucine-rich repeat region and an intracellular domain homologous to that of human interleukin-1 receptor. The TLR4 gene is mapped to chromosome 9q32-q33 by fluorescence in situ hybridization. It detects lipopolysaccharide from Gram-negative bacteria and is thus important in the activation of the innate immune system. 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.

## **Product Info**

Amount: 100 μg/vial

**Purification:** Immunogen affinity purified.

Content: Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Reconstitute: Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

## **Application Note**

Storage condition:

Western blot: 0.1-0.5µg/ml; Immunohistochemistry(Paraffin-embedded Section): 0.5-1µg/ml

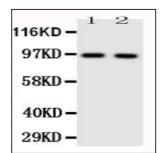


Figure 1: Anti-TLR4 antibody(39-2114). Western blotting: Lane 1: HELA Cell Lysate , Lane 2: SMMC Cell Lysate.



9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

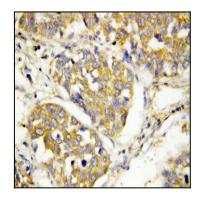


Figure 2: Anti-TLR4 antibody(39-2114). IHC(P): Human Lung Cancer Tissue.