

## 39-2114: Anti-TLR4 Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	TLR4
<b>Gene ID :</b>	7099
<b>Uniprot ID :</b>	O00206
<b>Alternative Name :</b>	Toll-like receptor 4; hToll; CD284; TLR4
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	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

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

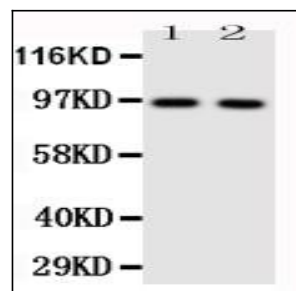


Figure 1: Anti-TLR4 antibody(39-2114). Western blotting: Lane 1: HELA Cell Lysate , Lane 2: SMMC Cell Lysate.

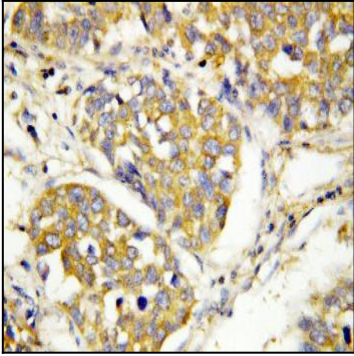


Figure 2: Anti-TLR4 antibody(39-2114). IHC(P): Human Lung Cancer Tissue.