

Anti-TLR10 Antibody

Catalog # ABO11264

Product Information

Application	WB
Primary Accession	Q9BXR5
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Toll-like receptor 10(TLR10) detection. Tested with WB in Human.

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

Additional Information

Gene ID	81793
Other Names	Toll-like receptor 10, CD290, TLR10
Calculated MW	94564
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Highly expressed in spleen, lymph node, thymus, tonsil and at lower levels in lung. Highly expressed in promyelocytic HL-60 cells and in B-cell lines.
Source	Eukaryota
Protein Name	Toll-like receptor 10
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TLR10(88-102aa DLKTFEFNKELRYLD).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	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.

Sequence Similarities

Belongs to the Toll-like receptor family.

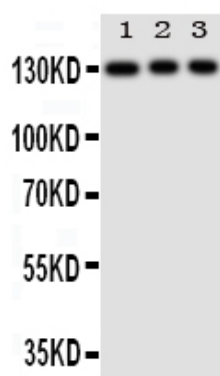
Protein Information

Name	TLR10
Function	Participates in the innate immune response to microbial agents. Acts via MYD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (By similarity).
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in spleen, lymph node, thymus, tonsil and at lower levels in lung. Highly expressed in promyelocytic HL-60 cells and in B-cell lines

Background

TLR10(Toll-like receptor 10), is a protein that in humans is encoded by the TLR10 gene. 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. By genomic sequence analysis, Hasan et al.(2005) determined that the TLR10 gene is clustered with TLR1 and TLR6 on chromosome 4p14. By coimmunoprecipitation analysis, Hasan et al.(2005) found that TLR10 associated with itself and with TLR1 and TLR2, but not with MD2. Signaling studies showed that TLR10 required MYD88, but not TIRAP, TRAM(TICAM2), or TRIF(TICAM1), to activate immune system promoters. Pro674 within the TLR10 TIR domain was required to activate all promoter examined.

Images



Anti-TLR10 antibody, ABO11264, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: JURKAT Cell Lysate
Lane 3: CEMJ Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.