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Datasheet for ABIN3042981
anti-TLR10 antibody (N-Term)

1 Image

Overview

Quantity:	100 µg
Target:	TLR10
Binding Specificity:	AA 88-102, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Toll-like receptor 10(TLR10) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TLR10(88-102aa DLKTFEFNKELRYLD).
Sequence:	DLKTFEFNKE LRYLD
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Toll-like receptor 10(TLR10) detection. Tested with WB in Human. Gene Name: toll-like receptor 10 Protein Name: Toll-like receptor 10
Purification:	Immunogen affinity purified.

Target Details

Target: TLR10

Alternative Name: TLR10 ([TLR10 Products](#))

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.

Synonyms: CD 290 antibody|CD 290 antigen antibody|CD290 antibody|CD290 antigen antibody|MGC104967 antibody|MGC126398 antibody|MGC126399 antibody|OTTHUMP00000158729 antibody|OTTHUMP00000218162 antibody|TLR10 antibody|TLR10_HUMAN antibody|Toll like receptor 10 antibody|Toll-like receptor 10 antibody|UNQ315/PRO358 antibody

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for TLR10 is approximately 0.5 ng/lane under reducing conditions.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Handling

Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

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