Datasheet for ABIN7172278

anti-TLR6 antibody (AA 32-586)

3 Images

Overview

Quantity:	100 μg
Target:	TLR6
Binding Specificity:	AA 32-586
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Toll-like receptor 6 protein (32-586AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TLR6
Alternative Name:	TLR6 (TLR6 Products)
Background:	Background: Participates in the innate immune response to bacteria and fungi. Specifically recognizes diacylated and, to a lesser extent, triacylated lipopeptides. Acts via MYD88 and

Target Details

TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Recognizes mycoplasmal macrophage-activating lipopeptide-2kD (MALP-2), soluble tuberculosis factor (STF), phenol-soluble modulin (PSM) and B.burgdorferi outer surface protein A lipoprotein (OspA-L) cooperatively with TLR2 (PubMed:11441107). In complex with TLR4, promotes sterile inflammation in monocytes/macrophages in response to oxidized low-density lipoprotein (oxLDL) or amyloid-beta 42. In this context, the initial signal is provided by oxLDL- or amyloid-beta 42-binding to CD36. This event induces the formation of a heterodimer of TLR4 and TLR6, which is rapidly internalized and triggers inflammatory response, leading to the NF-kappa-B-dependent production of CXCL1, CXCL2 and CCL9 cytokines, via MYD88 signaling pathway, and CCL5 cytokine, via TICAM1 signaling pathway, as well as IL1B secretion.

Aliases: CD286 antibody, CD286 antigen antibody, TLR 6 antibody, Tlr6 antibody, TLR6_HUMAN antibody, Toll like receptor 6 precursor antibody, Toll-like receptor 6 antibody

UniProt:	Q9Y2C9
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

Handling

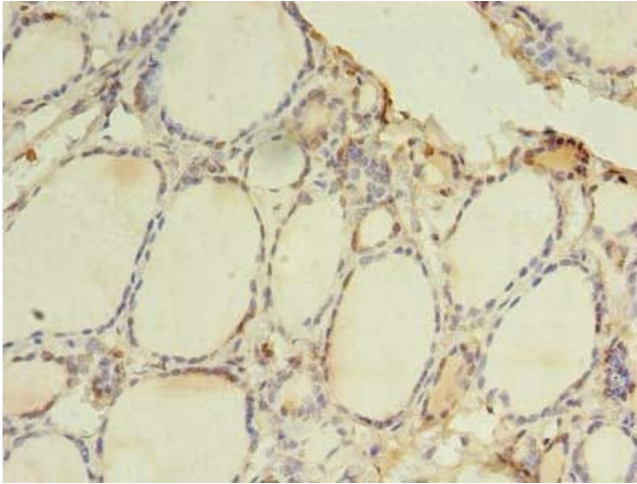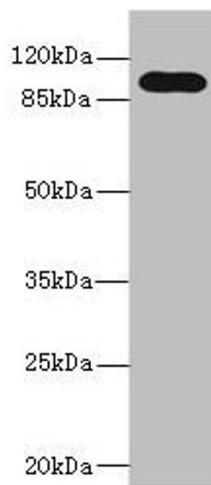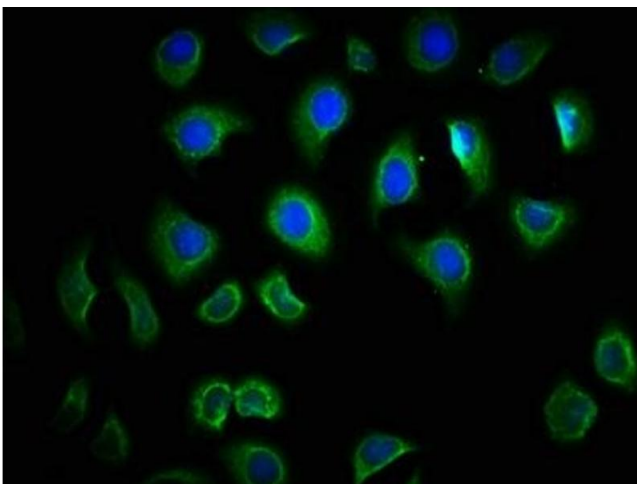|	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images

Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human thyroid tissue using ABIN7172278 at dilution of 1:100

Western Blotting

Image 2. Western blot All lanes: TLR6 antibody at 5 µg/mL + Jurkat whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 92, 56 kDa Observed band size: 92 kDa

Immunofluorescence

Image 3. Immunofluorescence staining of A549 cells with ABIN7172278 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).