Datasheet for ABIN2485964
anti-TLR4 antibody (AA 420-435) (Atto 594)

5 Images

Overview

Quantity:	100 µg
Target:	TLR4
Binding Specificity:	AA 420-435
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR4 antibody is conjugated to Atto 594
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

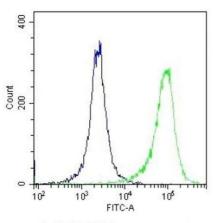|	
Immunogen:	Developed against a synthetic peptide corresponding to amino acids 420-435 of human TLR4
Specificity:	Detects ~75-80 kDa when tested against partial recombinant mouse TLR4 (extra-cellular portion plus His-tag).
Cross-Reactivity:	Human, Mouse
Purification:	Protein A Purified

Target Details

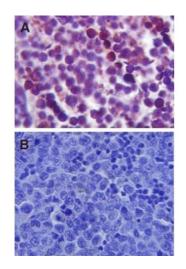|	
Target:	TLR4
Alternative Name:	TLR4 (TLR4 Products)

Target Details

Background:	The Toll-like receptor (TLR) family in mammal comprises a family of trans-membrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and 1L-1 receptor motif in the cytoplasmic domain. Like its counterparts in Drosophila, TLRs signal through adaptor molecules (1). The TLR family is a phylo-genetically conserved mediator of innate immunity that is essential for microbial recognition (2). Ten human homologs of TLRs (TLR1-10) have been described (3). Amount this family of receptors, TLR2 and TLR4 have been most studied. These studies have suggested that TLR2 and TLR4 may serve as potential main mediators of LPS signaling (4,5). The mouse TLR4 cDNA codes for a protein consisting of 839 amino acids, with an approximate molecular weight of 90 kDa (6).
Gene ID:	7099
NCBI Accession:	NP_612564
UniProt:	O00206
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Toll-Like Receptors Cascades, Inflammasome, S100 Proteins

Application Details

Application Notes:	• WB (1:500) • IHC (1:50) • optimal dilutions for assays should be determined by the user.
Comment:	2 µg/ml of ABIN2485964 was sufficient for detection of TLR4 in 100 ng of partial recombinant mouse TLR4 protein by colorimetric immunoblot analysis using Goat anti-rabbit IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, 50 % glycerol, 0.09 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Conjugated antibodies should be stored at 4°C

Images

Antibody : TLR4
Isotype control : Rabbit IgG
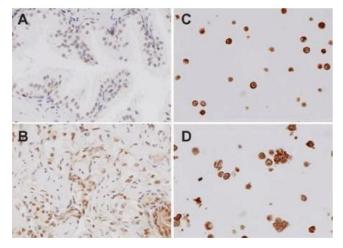
Flow Cytometry

Image 1. Flow Cytometry analysis using Rabbit Anti-TLR4 Polyclonal Antibody (ABIN2485964). Tissue: Monocytic Leukemia cells (THP-1). Species: Human. Fixation: 2 % Formaldehyde for 10 min at RT. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody (ABIN2485964) at 2 µg/106 cells for 60 min at 37 °C. Secondary Antibody: Goat Anti-Rabbit Dylight 488 at 1:200 for 40 min at 37 °C. Courtesy of: Antibody Resource.

Immunohistochemistry

Image 2. Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody . Tissue: Spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody at 1:100.

Immunohistochemistry

Image 3. Immunohistochemistry analysis using Rabbit Anti-TLR4 Polyclonal Antibody . Tissue: spleen tissue. Species: Mouse. Primary Antibody: Rabbit Anti-TLR4 Polyclonal Antibody at 1:100.

Images

Please check the product details page for more images. Overall 5 images are available for ABIN2485964.