Datasheet for ABIN2854849

anti-TLR9 antibody (N-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	TLR9
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human TLR9. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to TLR9 (toll-like receptor 9) TLR9 antibody [N2], N-term
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	TLR9

Target Details

Alternative Name:	toll like receptor 9 (TLR9 Products)
Background:	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. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is preferentially expressed in immune cell rich tissues, such as spleen, lymph node, bone marrow and peripheral blood leukocytes. Studies in mice and human indicate that this receptor mediates cellular response to unmethylated CpG dinucleotides in bacterial DNA to mount an innate immune response. Cellular Localization: Membrane, Single-pass type I membrane protein
Molecular Weight:	116 kDa
Gene ID:	54106
UniProt:	Q9NR96
Pathways:	TLR Signaling, Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Toll-Like Receptors Cascades

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: THP-1 , TLR9 transfected 293T Validation: Overexpression
Restrictions:	For Research Use only

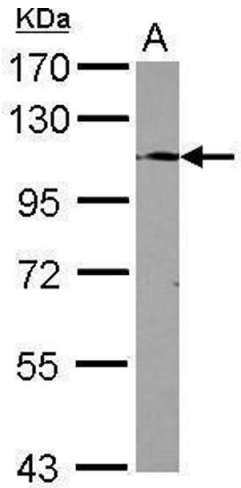
Handling

Format:	Liquid
Concentration:	0.4 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)

Handling

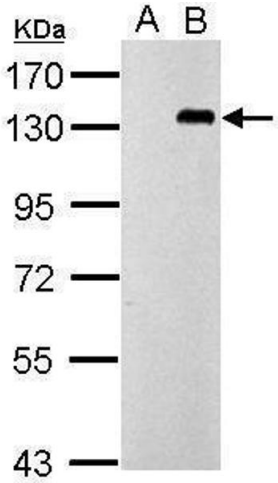
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104339 for Multiplex Immunohistochemistry (mIHC)



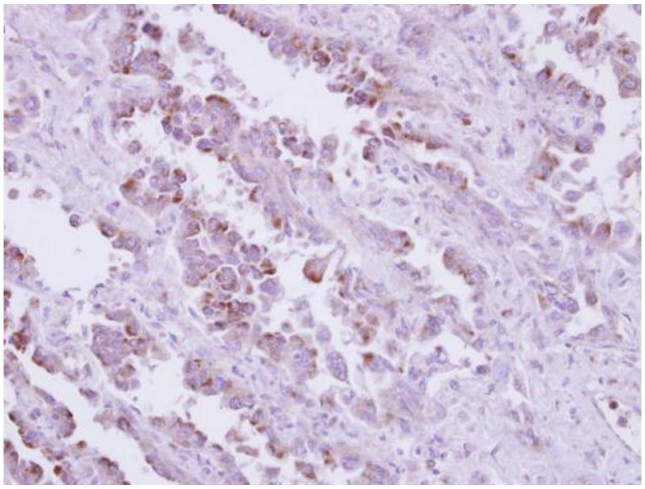
Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: THP-1 7.5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Non-transfected 293T lysates B: TLR9 transfected 293T lysates 7.5% SDS PAGE antibody diluted at 1:2000



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded human lung cancer, using TLR9, antibody at 1:250 dilution.

