

Datasheet for ABIN5534398
anti-TLR5 antibody (C-Term)



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2 Images

Overview

Quantity:	400 µL
Target:	TLR5
Binding Specificity:	AA 825-856, C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TLR5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Mouse TLR5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 825-856 amino acids from the C-terminal region of mouse TLR5.
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis

Target Details

Target:	TLR5
Alternative Name:	TLR5 (TLR5 Products)
Background:	TLR5, a Type I membrane protein belonging to the Toll-like receptor family, participates in the innate immune response to microbial agents. It also plays a role in mediating detection of

Target Details

bacterial flagellins. TLR5 acts via MyD88 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. This protein binds to TIRAP and MyD88 via their respective TIR domains TLR5 is highly expressed in liver, and is detected in lung and at very low levels in most other tissues. The TLR5 gene lies in a locus that is associated with susceptibility to Salmonella. Inbred strains of mice can be classified into 3 categories according to their resistance to infection with S.typhimurium: susceptible (BALB/c, C57BL/6, C3H/He), intermediate (DBA/2, C75L) and resistant (A, CBA). The strain MOLF/Ei is highly susceptible to the infection, has an unique TLR5 haplotype and a lower expression of TRL5.

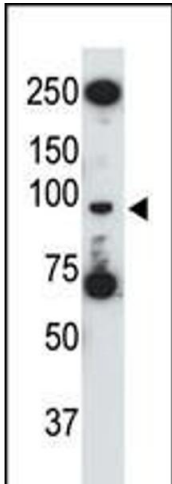
Molecular Weight:	98 kDa
Gene ID:	53791
UniProt:	Q9JLF7
Pathways:	TLR Signaling , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Toll-Like Receptors Cascades

Application Details

Application Notes:	For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100
Restrictions:	For Research Use only

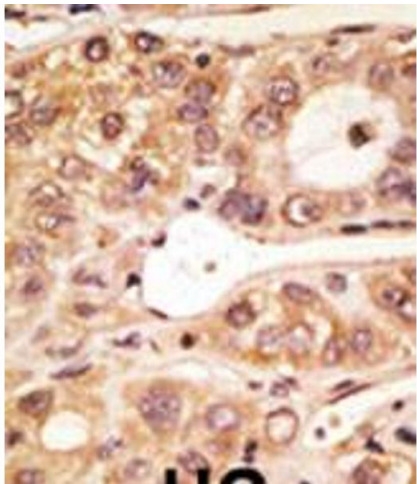
Handling

Format:	Liquid
Concentration:	2 mg/mL
Buffer:	Supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



Western Blotting

Image 1. Antibody is used in Western blot to detect TLR5 in HL60 cell lysate.



Immunohistochemistry

Image 2. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. BC = breast carcinoma; HC = hepatocarcinoma.