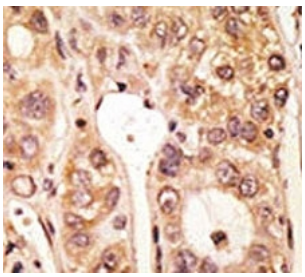
TLR5 Antibody (F44375)

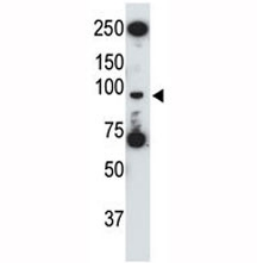
Catalog No.	Formulation	Size
F44375-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44375-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9JLF7
Localization	Cytoplasmic, membrane
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This TLR5 antibody is available for research use only.



IHC analysis of FFPE human hepatocarcinoma tissue stained with the TLR5 antibody



TLR5 antibody used in western blot to detect TLR5 in HL-60 cell lysate

Description

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 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.

Application Notes

Titration of the TLR5 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 825-856 from the mouse protein was used as the immunogen for this TLR5 antibody.

Storage

Aliquot the TLR5 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.