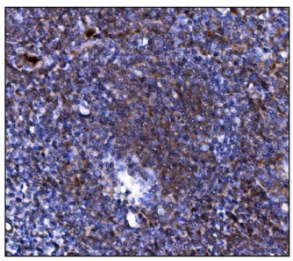
Toll-like receptor 8 Antibody / TLR8 (RQ6527)

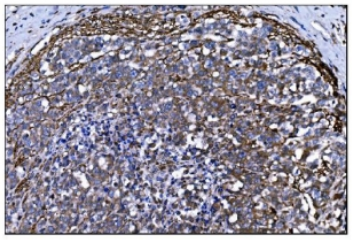
Catalog No.	Formulation	Size
RQ6527	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NR97
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Toll-like receptor 8 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with Toll-like receptor 8 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human gastric cancer tissue with Toll-like receptor 8 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

Description

TLR8 (Toll-like receptor 8) is a protein that in humans is encoded by the TLR8 gene. TLR8 has also been designated as CD288 (cluster of differentiation 288).The TLR8 gene is mapped to Xp22.3-p22.2 by Chuang and Ulevitch (2000) and Du et al. (2000). 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 predominantly expressed in lung and peripheral blood leukocytes, and lies in close proximity to another family member, TLR7, on chromosome X. TLR8 recognizes G-rich oligonucleotides.

Application Notes

Optimal dilution of the Toll-like receptor 8 antibody should be determined by the researcher.

Immunogen

Amino acids RLQEVPQTVGKYVTELDL from the human protein were used as the immunogen for the Toll-like receptor 8 antibody.

Storage

After reconstitution, the Toll-like receptor 8 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.