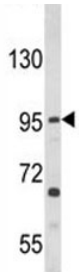
TLR3 Antibody (F44372)

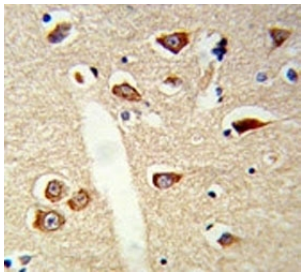
Catalog No.	Formulation	Size
F44372-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44372-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O15455
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This TLR3 antibody is available for research use only.



Western blot analysis of TLR3 antibody and HL-60 lysate.



IHC analysis of FFPE mouse brain tissue stained with TLR3 antibody

Description

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 receptor is most abundantly expressed in placenta and pancreas, and is restricted to the dendritic subpopulation of the leukocytes. It recognizes dsRNA associated with viral infection, and induces the activation of NF-kappaB and the production of type I interferons. It may thus play a role in host defense against viruses. Use of alternative polyadenylation sites to generate different length transcripts has been noted for this gene.

Application Notes

Titration of the TLR3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This TLR3 antibody was produced from rabbits immunized with TLR3 recombinant protein.

Storage

Aliquot the TLR3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.