

TLR3 Antibody (N-Terminus)

Rabbit Polyclonal Antibody Catalog # ALS11523

Specification

TLR3 Antibody (N-Terminus) - Product Information

Application ICC, IF, IHC Primary Accession 015455

Reactivity Human, Mouse

Host Rabbit
Clonality Polyclonal
Calculated MW 104kDa KDa

TLR3 Antibody (N-Terminus) - Additional Information

Gene ID 7098

Other Names

Toll-like receptor 3, CD283, TLR3

Target/Specificity

15 amino acids near the N-terminus of human TLR3

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

TLR3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

TLR3 Antibody (N-Terminus) - Protein Information

Name TLR3 (HGNC:11849)

Function

Key component of innate and adaptive immunity. TLRs (Toll- like receptors) control host immune response against pathogens through recognition of molecular patterns specific to microorganisms. TLR3 is a nucleotide-sensing TLR which is activated by double-stranded RNA, a sign of viral infection. Acts via the adapter TRIF/TICAM1, leading to NF-kappa-B activation, IRF3 nuclear translocation, cytokine secretion and the inflammatory response.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Endosome membrane. Early endosome

Tissue Location

Expressed at high level in placenta and pancreas. Also detected in CD11c+ immature dendritic cells. Only expressed in dendritic cells and not in other leukocytes, including monocyte precursors.



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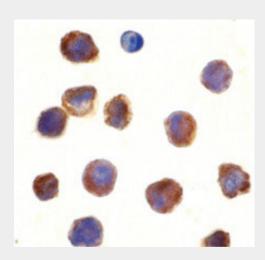
TLR3 is the TLR that is expressed most strongly in the brain, especially in astrocytes, glia, and neurons

TLR3 Antibody (N-Terminus) - Protocols

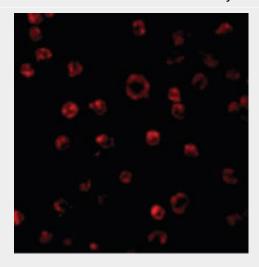
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TLR3 Antibody (N-Terminus) - Images

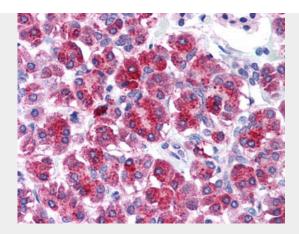


Immunocytochemistry of TLR3 in K562 cells with TLR3 antibody at 10 ug/ml.



Immunofluorescence of TLR3 in K562 cells with TLR3 antibody at 2 ug/ml.





Anti-TLR3 antibody IHC of human pancreas.

TLR3 Antibody (N-Terminus) - Background

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TLR3 Antibody (N-Terminus) - References

Rock F.L., et al. Proc. Natl. Acad. Sci. U.S.A. 95:588-593(1998). Lafon M., et al.J. Mol. Neurosci. 29:185-194(2006). Nakajima T., et al. Immunogenetics 60:727-735(2008). Macquin C., et al. Submitted (JAN-2006) to the EMBL/GenBank/DDBJ databases. Ota T., et al. Nat. Genet. 36:40-45(2004).