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TLR3 Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS12684

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O15455
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103829
Dilution	IHC-P (5 g/ml), WB (1-2 g/ml),
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	7098
Other Names	Toll-like receptor 3, CD283, TLR3
Target/Specificity	A peptide corresponding to 15 amino acids between aa 751 and 851 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 (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

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. TLR3 is the TLR that is expressed

	most strongly in the brain, especially in astrocytes, glia, and neurons
Volume	Array

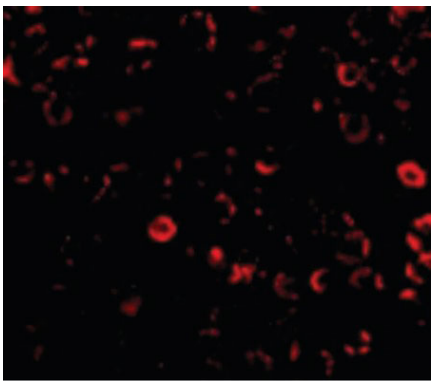
Background

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.

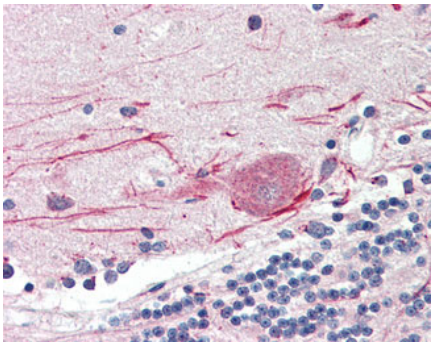
References

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).

Images

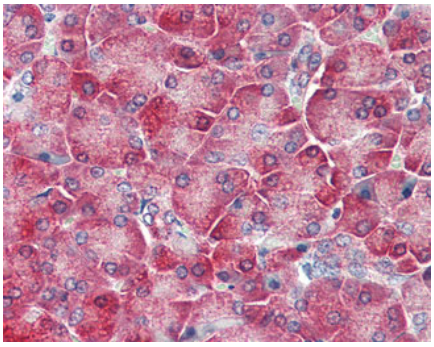


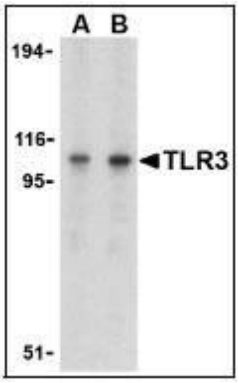
Immunofluorescence of TLR3 in El4 cells with TLR3 antibody at 10 ug/ml.



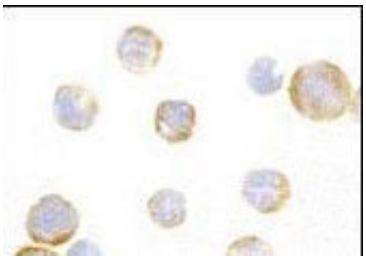
Anti-TLR3 antibody IHC of human brain, cerebellum.

Anti-TLR3 antibody IHC of human pancreas.





Western blot of TLR3 in Daudi cell lysate with TLR3 antibody at (A) 1 and (B) 2 ug/ml.



Immunocytochemistry of TLR3 in EL4 cells with TLR3 antibody at 1 □g/ml.