TLR3 Antibody

Catalog No: #24363

Description



Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Product Name	TLR3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Ion exchange chromatography purified
Applications	ELISA WB ICC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a peptide corresponding to 15 amino acids near the carboxy terminus of human TLR3.
Target Name	TLR3
Other Names	Toll-like receptor 3, CD283
Accession No.	O15455
Uniprot	O15455
GeneID	7098;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated
	freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images





WB Validation in Human Daudi CellsLoading: 10 ug of lysate Antibodies: TLR3, 1 ug/mL (A) and 2 ug/mL (B), 1 h incubation at RT in 5% NFDM/TBST. Secondary: Goat Anti-Rabbit IgG HRP conjugate at 1:10000 dilution.



Immunofluorescence Validation of TLR3 in Human Spleen Immunofluorescent analysis of 4% paraformaldehyde-fixed human spleen tissue labeling TLR3 at 10 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



Immunofluorescence Validation of TLR3 in Mouse Spleen Immunofluorescent analysis of 4% paraformaldehyde-fixed mouse spleen tissue labeling TLR3 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green) and DAPI staining (blue).



Immunohistochemistry Validation of TLR3 in Mouse Brain Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-TLR3 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Immunohistochemistry Validation of TLR3 in Rat Brain Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-TLR3 antibody at 1 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

Background

Toll-like receptors (TLRs) are evolutionarily conserved pattern-recognition molecules resembling the toll proteins that mediate antimicrobial responses in Drosophila. These proteins recognize different microbial products during infection and serve as an important link between the innate and adaptive immune responses. The TLRs act through adaptor molecules such as MyD88 and TIRAP to activate various kinases and transcription factors so the organism can respond to potential infection. TLR3 is known to recognize viral double-stranded (ds) RNA, a molecular pattern associated with viral infection. Recently it has been shown to recognize viruses such as Influenza A and West Nile Virus and can mediate entry of at least West Nile Virus.

Note: This product is for in vitro research use only