

For Research Use Only

TLR3 Recombinant antibody

Catalog Number: 83136-3-RR **1 Publications**



Basic Information

Catalog Number: 83136-3-RR	GenBank Accession Number: BC094737	Purification Method: Protein A purification
Size: 100ul , Concentration: 700 ug/ml by Nanodrop;	GeneID (NCBI): 7098	CloneNo.: 230445G4
Source: Rabbit	UNIPROT ID: O15455	Recommended Dilutions: WB 1:2000-1:14000 IHC 1:200-1:800
Isotype: IgG	Full Name: toll-like receptor 3	
Immunogen Catalog Number: AG34044	Calculated MW: 904 aa, 104 kDa	
	Observed MW: 120 kDa, 68 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB	WB : HT-29 cells, human placenta tissue
Species Specificity: human	IHC : human ovarian cancer, human placenta tissue
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TLR3 belongs to the Toll-like receptor family which is important in the innate immune response to pathogens. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. TLR3 is a nucleotide-sensing TLR that is activated by double-stranded RNA. Upon recognition of dsRNA, TLR3 transmits signals via the adaptor protein TICAM-1/TRIF, leading to the induction of type I IFN, cytokine/chemokine production, and dendritic cell (DC) maturation (PMID: 18262679). Western detected full-length (120 kD) and cleaved (70 kDa) TLR3 (PMID: 28717003).

Notable Publications

Author	Pubmed ID	Journal	Application
Tamaki Suganuma	39465205	NAR Mol Med	WB

Storage

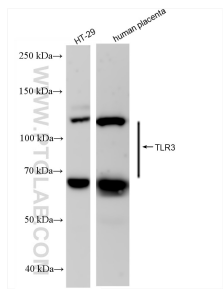
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

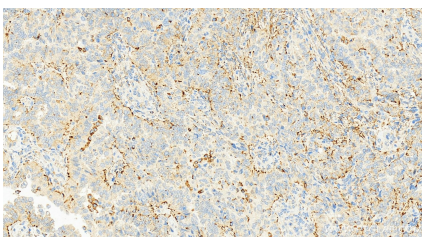
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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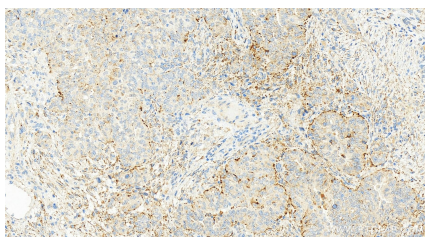
Selected Validation Data



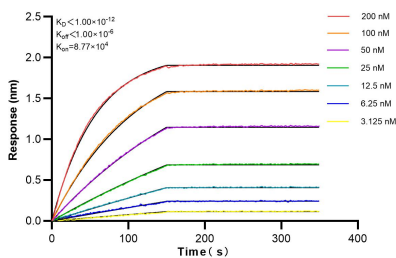
HT-29 cells were subjected to SDS PAGE followed by western blot with 83136-3-RR (TLR3 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 83136-3-RR (TLR3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 83136-3-RR against Human TLR3 were performed. The affinity constant is below 1 pM.