

For Research Use Only

TLR3 Recombinant antibody, PBS Only

Catalog Number: 83136-3-PBS



Basic Information

Catalog Number: 83136-3-PBS	GenBank Accession Number: BC094737	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 7098	CloneNo.: 230445G4
Source: Rabbit	UNIPROT ID: O15455	
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, Indirect ELISA

Species Specificity:
human

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).

Storage

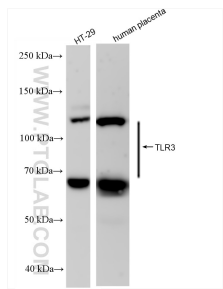
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

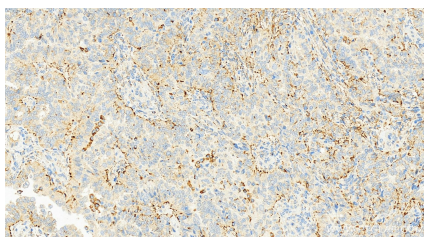
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

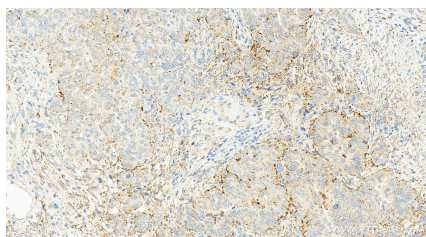
Selected Validation Data



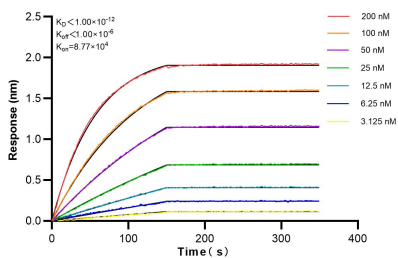
HT-29 cells were subjected to SDS PAGE followed by western blot with 83136-3-RR (TLR3 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83136-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83136-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 83136-3-PBS in a different storage buffer formulation.



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