

For Research Use Only

# TLR3 Recombinant antibody, PBS Only

Catalog Number: 83136-3-PBS



## Basic Information

Catalog Number:

83136-3-PBS

Concentration:

1mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34044

GenBank Accession Number:

BC094737

GeneID (NCBI):

7098

UNIPROT ID:

O15455

Full Name:

toll-like receptor 3

Calculated MW:

904 aa, 104 kDa

Observed MW:

120 kDa, 68 kDa

Purification Method:

Protein A purification

CloneNo.:

230445G4

## 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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

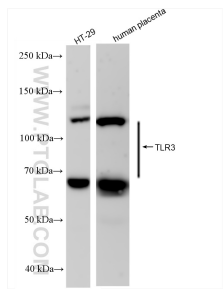
T: 4006900926

E: Proteintech-CN@ptglab.com

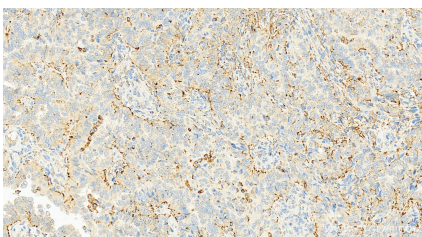
W: ptgcn.com

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

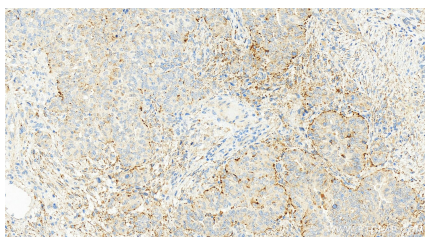
## Selected Validation Data



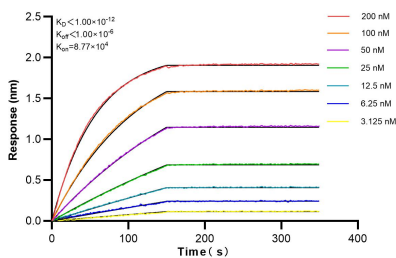
HT-29 cells were subjected to SDS PAGE followed by western blot with 83136-3-RR (TLR3 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83136-3-PBS in a different storage buffer formulation.



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.