

# Product Datasheet

## TLR3 Antibody NBP2-24565

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 12/20/2023 v.20.1

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**NBP2-24565****TLR3 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	7098
<b>Gene Symbol</b>	TLR3
<b>Species</b>	Human, Mouse, Rat, Avian, Bovine, Chicken, Opossum, Primate
<b>Reactivity Notes</b>	The amino acid sequence used as immunogen is 100% homologous in human, rhesus monkey, opossum, mouse, rat, horse, pig, dog, chicken and chimpanzee. Avian and Chicken reactivity reported in scientific literature (PMID: 25938551)
<b>Immunogen</b>	A peptide containing H-539 and N-541, two important amino acids involved in the binding of dsRNA to TLR3, was used as the immunogen.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1-3 ug/ml, Flow Cytometry 1 ug/10 <sup>6</sup> cells, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml



## Publications

Zou H, Su R, Ruan J et al. Double-stranded RNA induces chicken T-cell lymphoma apoptosis by TRIF and NF- $\kappa$ B. *Sci Rep* 2017-08-08 [PMID: 28790362] (WB, Chicken)

Hu X, Zou H, Qin A et al. Activation of Toll-like receptor 3 inhibits Marek's disease virus infection in chicken embryo fibroblast cells. *Arch. Virol.* 2015-11-23 [PMID: 26597188] (WB, Chicken)

### Details:

TLR3 antibody used for WB on primary chicken embryo fibroblast cells (CEF). Cells were transfected with TLR3 siRNA or control siRNA (Fig. 2G).

Hu X, Ye J, Qin A et al. Both MicroRNA-155 and Virus-Encoded MiR-155 Ortholog Regulate TLR3 Expression. *PLoS ONE*. 2015-05-05 [PMID: 25938551] (WB, Chicken, Avian)

### Details:

TLR3 antibody was used for WB application on chicken embryo fibroblast (CEF) cells that were transfected with 50-200 nM of the miR-155 mimic or the negative control mimic (Fig 2D and 2E). WB also performed on avian macrophage HD11 cell line treated or not with TLR2, 4 and 7 ligands (Fig 3c), 50-400 nM of gga-miR-155 antagomir (Fig 3d) or 50–400 nM of the gga-miR-155 agomir (Fig 3f).

Kuzemtseva Liudmila, de la Torre Eugenia, Martin Gerard et al. Regulation of toll-like receptors 3, 7 and 9 in porcine alveolar macrophages by different genotype 1 strains of porcine reproductive and respiratory syndrome virus. *Vet Immunol Immunopathol.* 2014-04-15 [PMID: 24534144]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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