

# Product Datasheet

## TLR4 [p Tyr674] Antibody NBP2-24935

Unit Size: 0.02 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-24935**

TLR4 [p Tyr674] Antibody

Product Information	
Unit Size	0.02 mg
Concentration	0.2 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	0.1 ml PBS and 0.05% BSA

Product Description	
Host	Rabbit
Gene ID	7099
Gene Symbol	TLR4
Species	Human, Mouse, Rat
Reactivity Notes	This antibody is reactive to Human, Mouse, Rat
Immunogen	A portion of amino acids 650-700 of human TLR4, containing a phospho tyrosine at position 674, was used as the immunogen for this antibody.

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 0.01-0.1 ug/ml

**Publications**

De S, Zhou H, DeSantis D et al. Erlotinib protects against LPS-induced Endotoxicity because TLR4 needs EGFR to signal. Proc. Natl. Acad. Sci. U.S.A. 2015-08-04 [PMID: 26195767] (WB, Human)

Details:  
TLR4 [p Tyr674] antibody (Imgenex IMG-6276A) was used for WB on lysates of human mammary epithelial (HME) cells that were EGF-starved and were then stimulated with EGF (Figure 1B) or erlotinib followed by EGF (Figure 1C). WB was also performed on A549 cells that were starved and then were stimulated using EGF (Fig. S2).

Fiorotto R, Scirpo R, Trauner M et al. Loss of CFTR affects biliary epithelium innate immunity and causes TLR4-NF- $\kappa$ B-mediated inflammatory response in mice. Gastroenterology. 2011-10-01 [PMID: 21712022] (WB)

Details:  
WB (Fig 5A-B): cholangiocytes from WT and CFTR-KO mice. Note: CFTR-KO cholangiocytes had increased basal expression of phosphorylated TLR4 expression compared to WT cholangiocytes. LPS treatment induced TLR4 expression more dramatically in the CFTR-KO com



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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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