

Product Datasheet

TLR10 Antibody NB110-83980

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB110-83980

TLR10 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	94 kDa

Product Description	
Host	Rabbit
Gene ID	81793
Gene Symbol	TLR10
Species	Human
Reactivity Notes	Human. Immunogen sequence has 90% homology to bovine.
Immunogen	Synthetic peptide made to an N-terminal portion of human TLR10 (within residues 1-100). [Swiss-Prot# Q9BXR5]

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 1:500-1:1000
Application Notes	This TLR10 antibody is useful for Western blot, where a band is seen at ~94 kDa. Immunohistochemistry was reported in scientific literature. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors. Use in Immunohistochemistry reported in scientific literature (PMID: 23279063).

Publications

Mulla MJ, Myrtolli K, Tadesse S et al. Cutting-Edge Report: TLR10 Plays a Role in Mediating Bacterial Peptidoglycan-Induced Trophoblast Apoptosis Am J Reprod Immunol 2012 Dec 28 [PMID: 23279063] (WB, IHC, Human)



Procedures

Western Blot Protocol for TLR10 Antibody (NB110-83980)

Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) on samples to be analyzed, loading 20 ug of total protein per lane.
2. Transfer proteins to Nitrocellulose according to the instructions provided by the manufacturer of the transfer apparatus.
3. Rinse membrane with dH₂O and then stain the blot using Ponceau S for 1-2 minutes to access the transfer of proteins onto the nitrocellulose membrane. Rinse the blot in water to remove excess stain and mark the lane locations and locations of molecular weight markers using a pencil.
4. Rinse the blot in TBS for approximately 5 minutes.
5. Block the membrane using 5% BSA in TBS + Tween, 1 hour at RT.
6. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
7. Dilute the rabbit anti-TLR10 primary antibody (NB 110-83980) in blocking buffer and incubate 1 hour at room temperature.
8. Rinse the membrane in dH₂O and then wash the membrane in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each.
9. Apply the diluted rabbit-IgG HRP-conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
10. Wash the blot in wash buffer [TBS + 0.1% Tween] 3 times for 10 minutes each (this step can be repeated as required to reduce background).
11. Apply the detection reagent of choice in accordance with the manufacturers instructions (Pierce ECL).

Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%, provided it does not interfere with antibody-antigen binding.





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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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