Product Datasheet

LMO2 Antibody - BSA Free
NB110-83978SS

Unit Size: 0.025 ml

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

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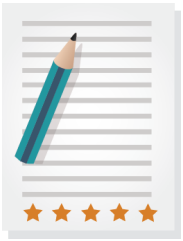
Updated 10/23/2024 v.20.1



NB110-83978SS

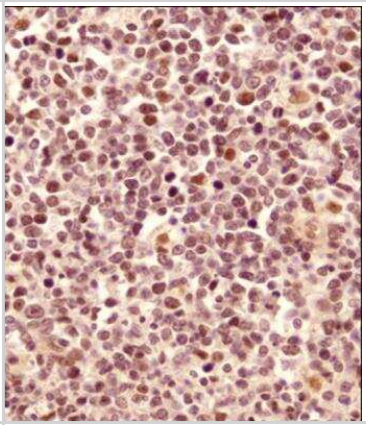
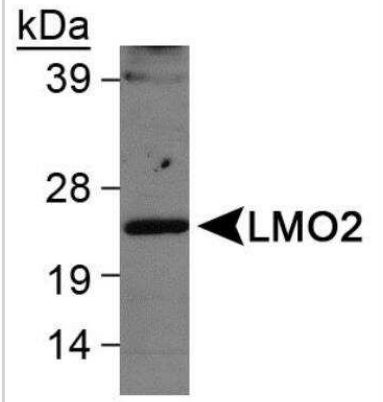
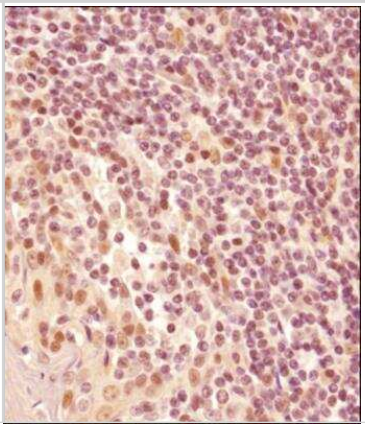
LMO2 Antibody - BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	4005
Gene Symbol	LMO2
Species	Human, Mouse, Rat, Bovine
Immunogen	Synthetic peptide made to an N-terminal portion of the human LMO2 protein (within residues 1-100). [Swiss-Prot# P25791]

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.5 ug/ml, Immunohistochemistry 1:250 - 1:500, Immunohistochemistry-Paraffin 1:250 - 1:500, Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	This LMO2 antibody is useful for ChIP and Western blot, where a band is seen at ~24 kDa. In WB, non-specific staining can be seen at higher molecular weights. 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.

Images

Immunohistochemistry-Paraffin: LMO2 Antibody [NB110-83978] - IHC analysis of a formalin fixed and paraffin embedded tissue section of human tonsil using LMO2 antibody NB110-83978 at 1:500 dilution. HRP-labeled secondary antibody and DAB reagent were used for the detection of LMO2 signal and the sections were further counterstained with hematoxylin. This LMO2 antibody generated an expected nuclear staining in a subset of cells in the germinal centers of tonsil section.	
Western Blot: LMO2 Antibody [NB110-83978] - Detection of LMO2 in Ramos whole cell lysate using NB110-83978.	
Immunohistochemistry-Paraffin: LMO2 Antibody [NB110-83978] - IHC analysis of a formalin fixed and paraffin embedded tissue section of human tonsil using LMO2 antibody NB110-83978 at 1:500 dilution. HRP-labeled secondary antibody and DAB reagent were used for the detection of LMO2 signal and the sections were further counterstained with hematoxylin. This LMO2 antibody generated an expected nuclear staining in a subset of cells in the germinal centers of tonsil section.	

Procedures

Western Blot protocol for LMO2 Antibody (NB110-83978)
LMO2 Antibody:
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-LMO2 primary antibody (NB 110-83978) 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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