

Product Datasheet

ZMPSTE24 Antibody - BSA Free NB100-2388

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NB100-2388**ZMPSTE24 Antibody - BSA Free**

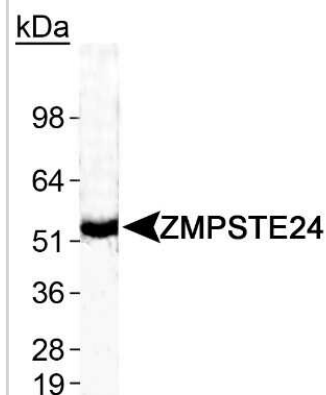
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	54 kDa

Product Description	
Description	Novus Biologicals Rabbit ZMPSTE24 Antibody - BSA Free (NB100-2388) is a polyclonal antibody validated for use in WB. Anti-ZMPSTE24 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10269
Gene Symbol	ZMPSTE24
Species	Human
Immunogen	A synthetic peptide made to a C-terminal portion of the human ZMPSTE24 protein sequence (between residues 400-475). [Swiss-Prot# O75844]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 2 ug/ml
Application Notes	This ZMPSTE24 antibody is useful for Western Blot, where a band is seen at ~54 kDa representing ZMPSTE24 protein.

Images

Western Blot: ZMPSTE24 Antibody [NB100-2388] - Detection of ZMPSTE24 in human testis.



Publications

Brayson D, Shanahan CM Lamin A precursor localizes to the Z-disc of sarcomeres in the heart and is dynamically regulated in muscle cell differentiation Philosophical transactions of the Royal Society of London. Series B, Biological sciences 2022-11-21 [PMID: 36189817] (WB, Mouse)

Details:

Dilution used in WB 1:200



Procedures

Western Blot protocol for ZMPSTE24 Antibody (NB100-2388)

ZMPSTE24 Antibody:

Western Blot Protocol

1. Perform SDS-PAGE (4-12%) on samples to be analyzed, loading 40 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% non-fat dry milk + 1% BSA in TBS overnight at 4 degrees Celcius.
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-ZMPSTE24 primary antibody (NB 100-2388) in blocking buffer and incubate 1 hour at RT.
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 (we used BioFX Super Plus ECL).

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





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Products Related to NB100-2388

NB820-59266	Human Testis Whole Tissue Lysate (Adult Whole Normal)
NB100-2388PEP-0.1mg	ZMPSTE24 Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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