Product Datasheet

OXPAT Antibody - BSA Free
NB110-60511

Unit Size: 0.1 ml

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

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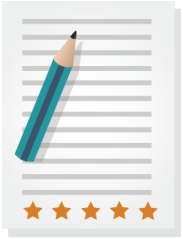
Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-60511

Updated 9/9/2025 v.20.1



NB110-60511

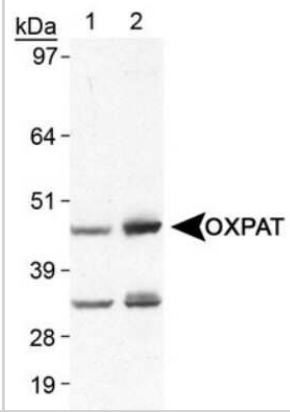
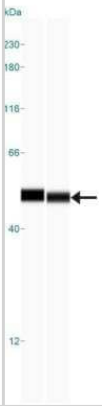
OXPAT Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1.01 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS and 30% Glycerol
Target Molecular Weight	50 kDa

Product Description	
Description	Novus Biologicals Rabbit OXPAT Antibody - BSA Free (NB110-60511) is a polyclonal antibody validated for use in WB and Simple Western. Anti-OXPAT Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	440503
Gene Symbol	PLIN5
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (89%).
Immunogen	A synthetic peptide made to a C-terminal region of the mouse OXPAT protein, within residues 400-463. [UniProt# Q8BVZ1]

Product Application Details	
Applications	Western Blot, Simple Western
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Simple Western 10 ug/ml
Application Notes	In Western blot analysis, a band can be seen at approx. 50 kDa, representing the OXPAT protein. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in Human Heart and Mouse Heart lysate 0.5 mg/mL, separated by Size, antibody dilution of 10 ug/mL. Separated by Size-Wes, Sally Sue/Peggy Sue. 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

Western Blot: OXPAT Antibody [NB110-60511] - Detection of OXPAT in human (lane 1) and mouse (lane 2) heart lysate.	
Simple Western: OXPAT Antibody [NB110-60511] - Simple Western lane view shows a specific band for OXPAT in 0.5 mg/ml of Human Heart (left) and Mouse Heart (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.	

Publications

Covington JD, Noland RC, Hebert RC et al. Perilipin 3 Differentially Regulates Skeletal Muscle Lipid Oxidation in Active, Sedentary and Type 2 Diabetic Males. J. Clin. Endocrinol. Metab. 2015-07-14 [PMID: 26171795]

Wolins, NE et al. OXPAT/PAT-1 is a PPAR-induced lipid droplet protein that promotes fatty acid utilization. Diabetes;55(12):3418-28. 2006-12-01 [PMID: 17130488] (WB, Mouse, Human)

Procedures

Western Blot protocol for OXPAT Antibody (NB110-60511)
OXPAT Antibody:
Western Blot Protocol

1. Perform SDS-PAGE (4-12% MOPS) 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 4C.
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-OXPAT primary antibody (NB 110-60511) 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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Products Related to NB110-60511

NB110-60511PEP	OXPAT Antibody Blocking Peptide
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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