

Product Datasheet

AGPAT6 Antibody NB100-2390

Unit Size: 0.1 ml

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

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NB100-2390

AGPAT6 Antibody

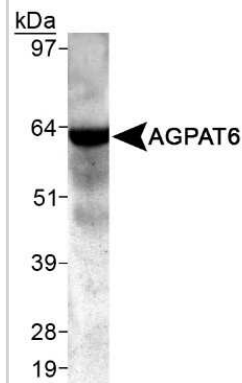
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Glycine and 0.15M NaCl
Target Molecular Weight	58 kDa

Product Description	
Host	Rabbit
Gene ID	137964
Gene Symbol	AGPAT6
Species	Human, Mouse, Primate
Reactivity Notes	Human, monkey and mouse. Predicted to react with rat, bovine, and porcine based on 100% sequence homology.
Immunogen	A synthetic peptide made to a C-terminal portion of human AGPAT6 (between residues 400-456). [Swiss-Prot Q86UL3]

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 2 ug/ml (ECL)
Application Notes	This AGPAT6 antibody is useful for Western blot, where a band is seen at ~58 kDa representing AGPAT6 protein. 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: AGPAT6 Antibody [NB100-2390] - Detection of AGPAT6 in mouse skeletal muscle using NB 100-2390.



Publications

Soltysik K, Ohsaki Y, Tatematsu T et al. Nuclear lipid droplets form in the inner nuclear membrane in a seipin-independent manner *The Journal of cell biology* 2021-01-04 [PMID: 33315072]

Helsley RN, Varadharajan V, Brown AL et al. Obesity-linked suppression of membrane-bound O-acyltransferase 7 (MBOAT7) drives non-alcoholic fatty liver disease *Elife* 2019-10-17 [PMID: 31621579] (Mouse)



Procedures

Western Blot protocol for AGPAT6 Antibody (NB100-2390)

AGPAT6 Antibody: https://www.novusbio.com/products/agpat6-antibody_nb100-2390

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-AGPAT6 primary antibody (NB100-2390) 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 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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