

# Product Datasheet

## **PEDFR/PNPLA2/ATGL Antibody (JE37-49) NBP3-32004**

Unit Size: 100 ul

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

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**NBP3-32004****PEDFR/PNPLA2/ATGL Antibody (JE37-49)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	JE37-49
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	1*TBS (pH7.4), 0.05% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	55 kDa

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit PEDFR/PNPLA2/ATGL Antibody (JE37-49) (NBP3-32004) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	57104
<b>Gene Symbol</b>	PNPLA2
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within Human PEDFR/PNPLA2/ATGL aa 330-450 / 504. (Uniprot: Q96AD5)

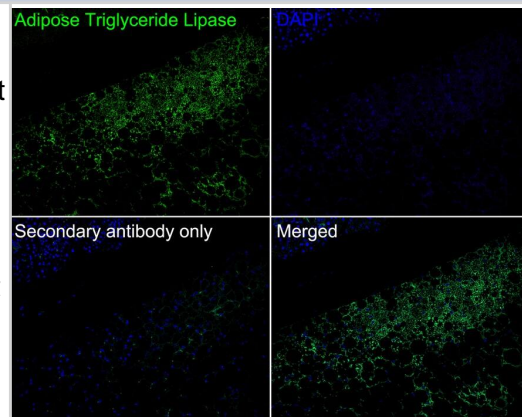
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:500-1:2000



## Images

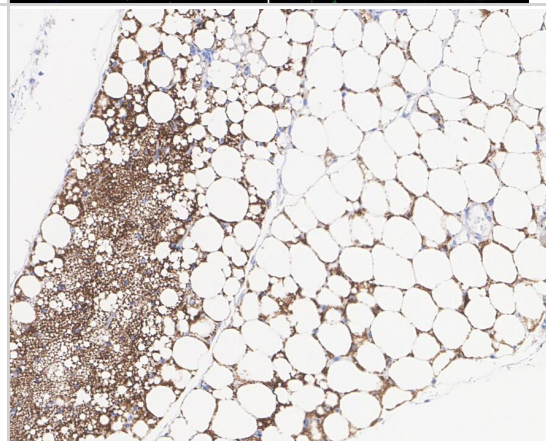
**Immunohistochemistry: PEDFR/PNPLA2/ATGL Antibody (JE37-49) [NBP3-32004]** - Immunofluorescence analysis of paraffin-embedded mouse brown adipose tissue labeling PEDFR/PNPLA2/ATGL with Rabbit anti-PEDFR/PNPLA2/ATGL antibody (NBP3-32004) at 1/200 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32004, green) at 1/200 dilution overnight at 4 °C, washed with PBS. Goat Anti-Rabbit IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



**Immunohistochemistry: PEDFR/PNPLA2/ATGL Antibody (JE37-49) [NBP3-32004]** - Immunohistochemical analysis of paraffin-embedded mouse brown adipose tissue with Rabbit anti-PEDFR/PNPLA2/ATGL antibody (NBP3-32004) at 1/2,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32004) at 1/2,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



**Western Blot: PEDFR/PNPLA2/ATGL Antibody (JE37-49) [NBP3-32004]** - Western blot analysis of PEDFR/PNPLA2/ATGL on different lysates with Rabbit anti-PEDFR/PNPLA2/ATGL antibody (NBP3-32004) at 1/1,000 dilution.

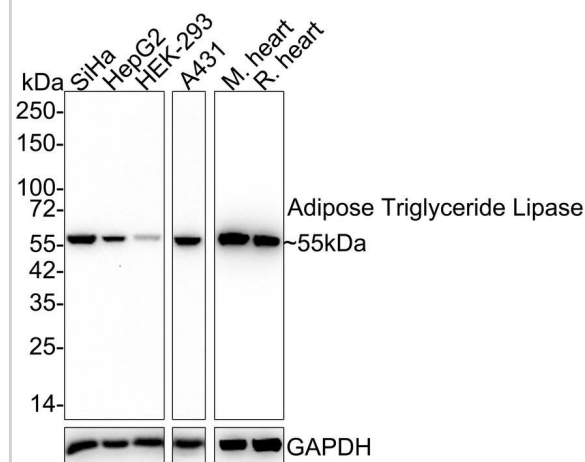
Lane 1: SiHa cell lysate (30 ug/Lane)  
Lane 2: HepG2 cell lysate (30 ug/Lane)  
Lane 3: HEK-293 cell lysate (30 ug/Lane)  
Lane 4: A431 cell lysate (30 ug/Lane)  
Lane 5: Mouse heart tissue lysate (40 ug/Lane)  
Lane 6: Rat heart tissue lysate (40 ug/Lane)

Predicted band size: 55 kDa  
Observed band size: 55 kDa

Exposure time: Lane 1-4: 3 minutes; Lane 5-6: 5 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32004) at 1/1,000 dilution was used in 5% NFDm/TBST at 4 °C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.





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### **Products Related to NBP3-32004**

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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

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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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