

# Product Datasheet

## Adiponectin/Acrp30 Antibody (19F1) NBP2-22450

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NBP2-22450****Adiponectin/Acrp30 Antibody (19F1)**

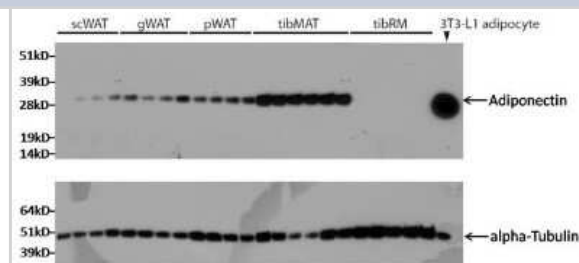
Product Information	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	19F1
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS with 1 mg/ml BSA

Product Description	
<b>Description</b>	Novus Biologicals Mouse Adiponectin/Acrp30 Antibody (19F1) (NBP2-22450) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Adiponectin/Acrp30 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	9370
<b>Gene Symbol</b>	ADIPOQ
<b>Species</b>	Human, Mouse, Rat, Rabbit
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 30357746). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Immunogen</b>	Full length, recombinant, human adiponectin.

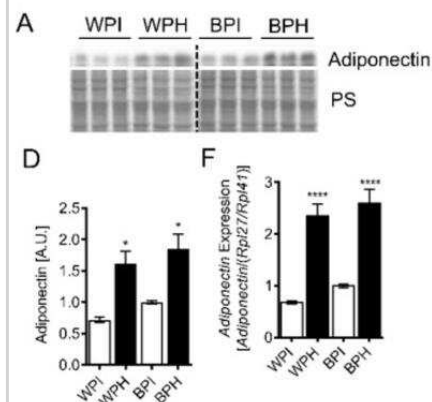
Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, ELISA 1:100 - 1:2000, Immunohistochemistry 1:20 - 100, Immunocytochemistry/ Immunofluorescence 2 - 4 ug/ml, Immunohistochemistry-Paraffin 1:10 - 1:500

**Images**

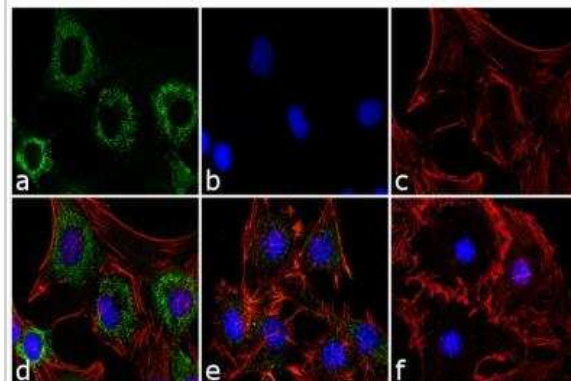
Western Blot: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Analysis of 8.4ug of rabbit subcutaneous white adipose tissue (scWAT), gonadal white adipose tissue (gWAT), perirenal white adipose tissue (pWAT), tibia marrow adipose tissue (tibMAT), tibia red marrow (tibRM), and 3T3-L1 positive control adipocyte lysates per well. Data courtesy of the Innovators Program.



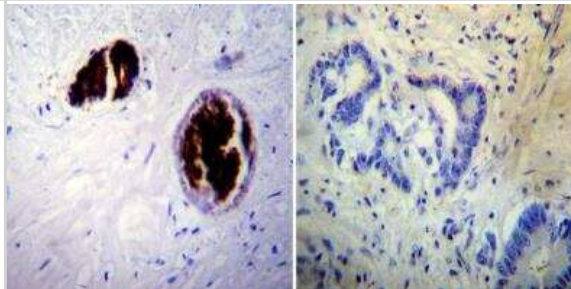
**Western Blot: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Effect of whey peptides on 3T3-L1 adipocyte differentiation.** 3T3-L1 preadipocytes were differentiated in the presence of 2.5 mg/mL WPI (whey protein isolate), WPH (whey peptide hydrolysate), BPI (BSA protein isolate) or BPH (BSA peptide hydrolysate). Immunoblotting and densitometric analysis of (A,D) adiponectin (n = 6). mRNA levels of (F) adiponectin (n = 8) were determined. \* p < 0.05, \*\*\*\* p < 0.0001 vs. protein isolate controls. PS, protein stain. Image collected and cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/32041341>) licensed under a CC-BY license.



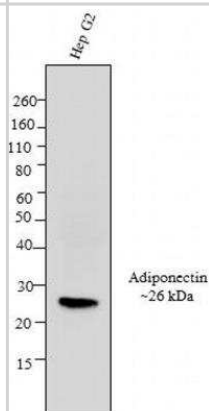
**Immunocytochemistry/Immunofluorescence: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Analysis of Adiponectin** was performed using 10% confluent 3T3-L1 cells differentiated with Adipogenesis supplement for 5 days.



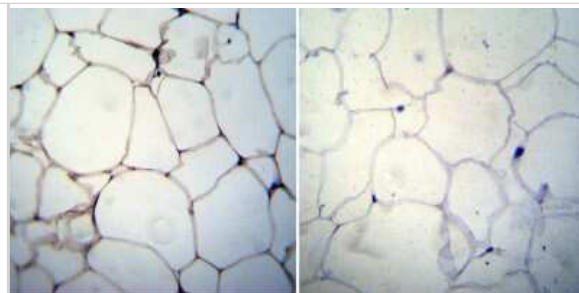
**Immunohistochemistry-Paraffin: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Analysis** was performed on biopsies of deparaffinized Human skin tissue.



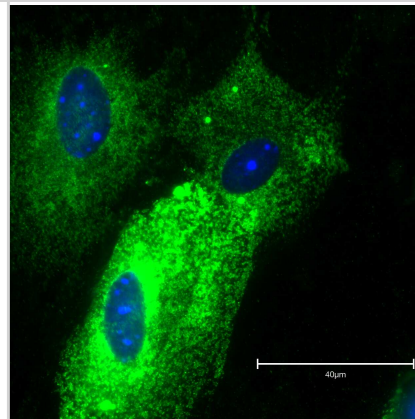
**Western Blot: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Analysis** was performed using 10 ul of conditioned media of Hep G2 cell line (lane 1).



Immunohistochemistry: Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Biopsies of deparaffinized Human skin tissue.



Immunocytochemistry/Immunofluorescence: Mouse Monoclonal Adiponectin/Acrp30 Antibody (19F1) [NBP2-22450] - Adipocytes isolated from the pelvic area of the male mouse. Image from a verified customer review.



## Publications

D'Souza K, Kane D A et al. Autotaxin Is Regulated by Glucose and Insulin in Adipocytes. *Endocrinology* 2017-01-04 [PMID: 28324037] (WB, Mouse)

D'Souza K, Mercer A, Mawhinney H et al. Whey Peptides Stimulate Differentiation and Lipid Metabolism in Adipocytes and Ameliorate Lipotoxicity-Induced Insulin Resistance in Muscle Cells *Nutrients* 2020-02-06 [PMID: 32041341] (WB, Mouse)

D'Souza K AUTOTAXIN IS NUTRITIONALLY REGULATED AND ALTERS MITOCHONDRIAL FUNCTION IN OBESITY-INDUCED INSULIN RESISTANCE Thesis (WB)

Kang NY, Ivanovska J, Tamir-Hostovsky L et al. Chronic Intermittent Hypoxia in Premature Infants: The Link Between Low Fat Stores, Adiponectin Receptor Signaling and Lung Injury. *Adv. Exp. Med. Biol.* 2018-10-26 [PMID: 30357746] (WB, Rat)

Sarmiento-Cabral A, Luque RM. Adipokines and their receptor are widely expressed and distinctly regulated by the metabolic environment in the prostate of male mice: direct role under normal and tumoral conditions *Endocrinology* 2017-08-09 [PMID: 28938461] (Mouse)



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### Products Related to NBP2-22450

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97019-5mg	Mouse 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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