

# Product Datasheet

## Perilipin-2/ADFP Antibody (2C5A3) NBP2-23486SS

Unit Size: 0.025 ml

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

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### Publications: 1

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Updated 10/16/2023 v.20.1

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**NBP2-23486SS**

Perilipin-2/ADFP Antibody (2C5A3)

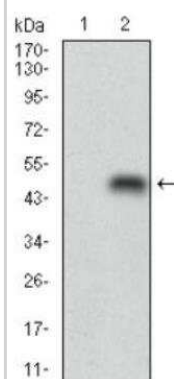
Product Information	
Unit Size	0.025 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2C5A3
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Ammonium sulfate precipitation
Buffer	PBS, 0.5% proprietary protein stabilizer

Product Description	
Host	Mouse
Gene ID	123
Gene Symbol	PLIN2
Species	Human
Immunogen	Partial recombinant human ADFP (between residues 200-437) expressed in E. coli [UniProt Q99541]

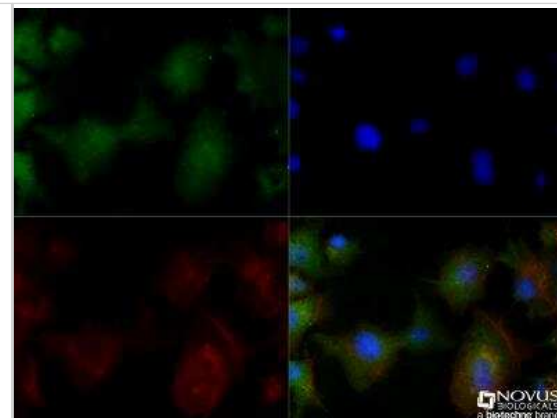
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500 - 1:2000, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:100, Immunohistochemistry-Paraffin 1:200 - 1:1000

**Images**

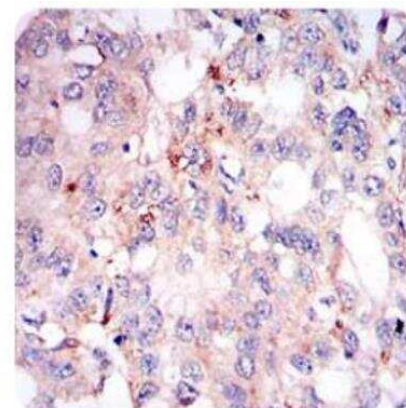
Western Blot: Perilipin-2/ADFP Antibody (2C5A3) [NBP2-23486] - Analysis of ADFP in (1) HEK293 and (2) PLIN2 hlgGfc transfected HEK293 cell lysate.



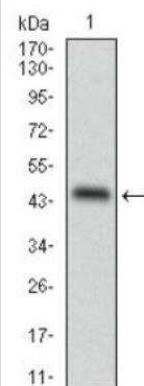
**Immunocytochemistry/Immunofluorescence: Perilipin-2/ADFP Antibody (2C5A3) [NBP2-23486]** - HepG2 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with anti-ADFP/Perilipin-2 (2C5A3) NBP2-23486 at a 1:50 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was counterstained using Phalloidin at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



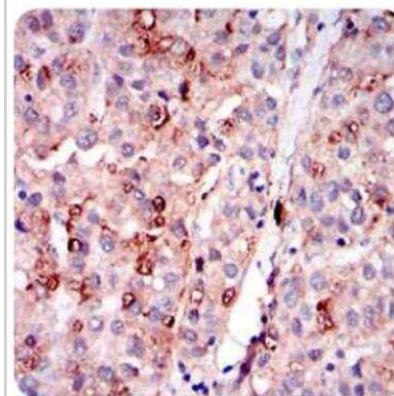
**Immunohistochemistry: Perilipin-2/ADFP Antibody (2C5A3) [NBP2-23486]** - Analysis of ADFP in paraffin-embedded human esophageal cancer tissues with DAB staining.



**Western Blot: Perilipin-2/ADFP Antibody (2C5A3) [NBP2-23486]** - Analysis of ADFP in human ADFP recombinant protein. (Expected MW is 42.6 kDa)



**Immunohistochemistry: Perilipin-2/ADFP Antibody (2C5A3) [NBP2-23486]** - Analysis of ADFP in paraffin-embedded human liver cancer tissues with DAB staining.



## Publications

Wang R, Nissen NN, Zhang Y Et al. Circulating Fatty Objects and Their Preferential Presence in Pancreatic Cancer Patient Blood Samples Front Physiol 2022-03-03 [PMID: 35237181] (Human)

Details:

Citation using the Biotin version of this antibody.



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### **Products Related to NBP2-23486SS**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB110-40877PEP	Perilipin-2/ADFP Antibody Blocking Peptide

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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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