

# Product Datasheet

## Caveolin-2 Antibody - BSA Free NBP1-31116

Unit Size: 0.1 ml

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

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**NBP1-31116**

Caveolin-2 Antibody - BSA Free

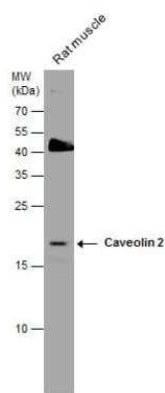
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Thimerosal
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	0.1M Tris (pH 7), 0.1M Glycine, 10% Glycerol
Target Molecular Weight	18 kDa

Product Description	
Host	Rabbit
Gene ID	858
Gene Symbol	CAV2
Species	Human, Mouse, Rat
Reactivity Notes	Cat (100%).
Marker	Caveolae Marker
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the N-terminus region of human Caveolin-2. The exact sequence is proprietary.

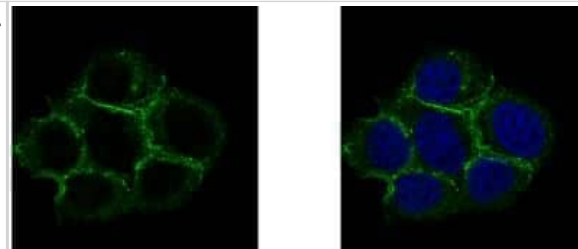
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

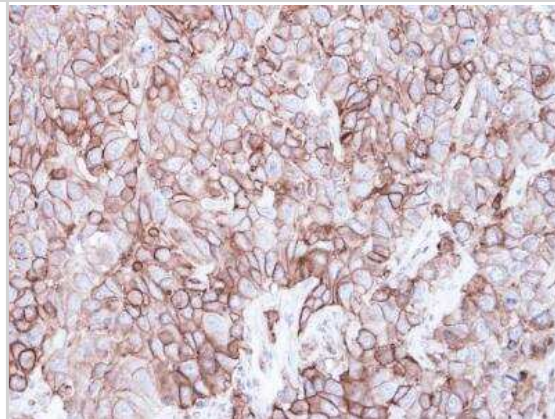
Western Blot: Caveolin-2 Antibody [NBP1-31116] - Rat tissue extracts (50 ug) was separated by 15% SDS-PAGE, and the membrane was blotted with Caveolin 2 antibody diluted at 1:1000.



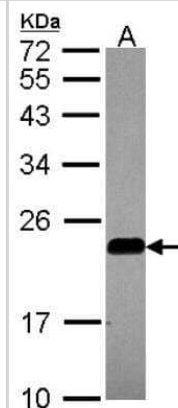
Immunocytochemistry/Immunofluorescence: Caveolin-2 Antibody [NBP1-31116] - A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Caveolin 2 protein stained by Caveolin 2 antibody diluted at 1:500. Blue: Hoechst 33342 staining.



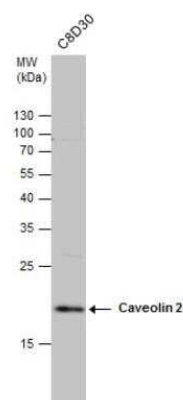
Immunohistochemistry-Paraffin: Caveolin-2 Antibody [NBP1-31116] - FaDu xenograft, using Caveolin 2 antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



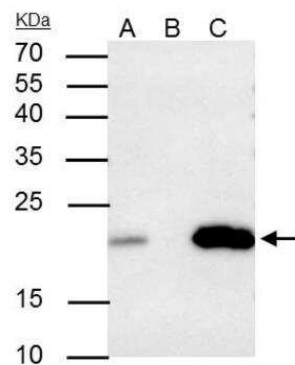
Western Blot: Caveolin-2 Antibody [NBP1-31116] - Sample (30 ug of whole cell lysate) A: A549 12% SDS PAGE; antibody diluted at 1:1000.



Western Blot: Caveolin-2 Antibody [NBP1-31116] - Whole cell extracts (30 ug) was separated by 15% SDS-PAGE, and the membrane was blotted with Caveolin 2 antibody diluted at 1:1000.



Immunoprecipitation: Caveolin-2 Antibody [NBP1-31116] - IP samples: A549 whole cell extract A. 30 ug A549 whole cell extract B. Control with 4 ug of preimmune Rabbit IgG C. Immunoprecipitation of caveolin 2 protein by 4 ug Caveolin 2 antibody 15 % SDS-PAGE The immunoprecipitated caveolin 2 protein was detected by Caveolin 2 antibody diluted at 1:500. [EasyBlot anti-rabbit IgG was used as a secondary reagent]



## Publications

Wang Y, Wang Y, Liu R et al. CAV2 promotes the invasion and metastasis of head and neck squamous cell carcinomas by regulating S100 proteins Cell Death Discovery 2022-09-16 [PMID: 36114176] (In vivo assay)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-31116**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00000858-P01-10ug	Recombinant Human Caveolin-2 GST (N-Term) Protein

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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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