

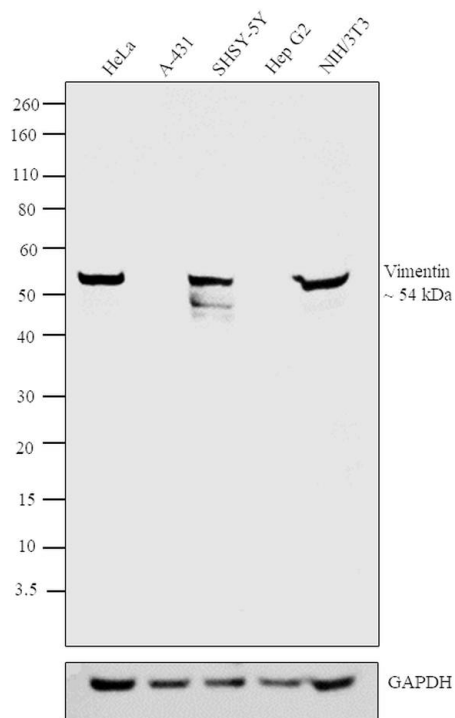
# Vimentin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Bovine, Chicken, Horse, Human, Mouse, Pig, Rat
Published Species	Mouse, Human
Host/Isotope	Chicken / IgY
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant human vimentin
Form	Liquid
Purification	PEG precipitation
Storage buffer	PBS
Contains	5mM sodium azide
Storage Conditions	4° C
RRID	AB_2216267

Applications	Tested	Dilution	Published
Immunohistochemistry (IHC)	✓	1:5000	2 Publications
Immunofluorescence (IF)	✓	1:5000	2 Publications
Immunocytochemistry (ICC)	✓	1:5000	1 Publication
Western Blot (WB)	✓	1:10,000	

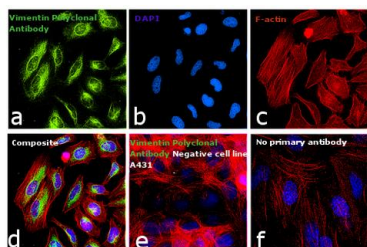
### Vimentin Antibody (PA1-10003)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of Vimentin was observed in all cell lines tested using product (Product # PA1-10003) in western blot. Relative expression validation info.



### Vimentin Antibody (PA1-10003)

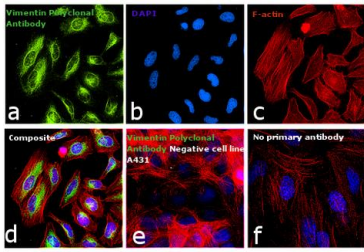
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Vimentin Polyclonal Antibody (Product # PA1-10003) showed expression of Vimentin in HeLa compared to A-431. Relative expression validation info.



## Product Images For Vimentin Polyclonal Antibody

### Vimentin Antibody (PA1-10003) in IF

Immunofluorescence analysis of Vimentin was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Vimentin Chicken Polyclonal Antibody (Product # PA1-10003) at 1:200 dilution in 0.1% BSA and incubated overnight at 4 degree Celsius and then labeled with Goat anti-Chicken IgY (H+L) Secondary Antibody, Alexa Fluor 488 (Product # A-11039) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic, cytoskeletal and nuclear localization. Panel e represents negative control, A-431 cells. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



[View more figures on thermofisher.com](https://www.thermofisher.com)

## 5 References

### Immunohistochemistry (2)

#### Glia Tanyocytes and a differential fatty acid metabolism in the hypothalamus.

"PA110003 was used in immunohistochemistry to report that saturated and unsaturated fatty acids are differentially processed in the murine hypothalamus"

Authors: Hofmann K,Lamberz C,Piotrowitz K,Offermann N,But D,Scheller A,Al-Amoudi A,Kuerschner L

**Species**  
Mouse  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2017

#### Cells, tissues, organs

#### Identification of interstitial Cajal-like cells in the human thoracic duct.

"PA1-10003 was used in immunohistochemistry to report on the presence of interstitial Cajal-like cells in the human thoracic duct"

Authors: Briggs Boedtkjer D,Rumessen J,Baandrup U,Skov Mikkelsen M,Telinius N,Pilegaard H,Aalkjaer C,Hjortdal V

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2013

### Immunofluorescence (2)

#### Glia Tanyocytes and a differential fatty acid metabolism in the hypothalamus.

"PA110003 was used in immunohistochemistry to report that saturated and unsaturated fatty acids are differentially processed in the murine hypothalamus"

Authors: Hofmann K,Lamberz C,Piotrowitz K,Offermann N,But D,Scheller A,Al-Amoudi A,Kuerschner L

**Species**  
Mouse  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2017

#### Journal of proteome research

#### Proteomic analysis reveals virus-specific Hsp25 modulation in cardiac myocytes.

"PA1-10003 was used in immunocytochemistry to quantify and characterize protein expression during the cardiac antiviral response"

Authors: Li L,Sevinsky JR,Rowland MD,Bundy JL,Stephenson JL,Sherry B

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2010

### More applications with references on thermofisher.com

### ICC (1)

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