Vimentin Monoclonal Antibody (VI-10)

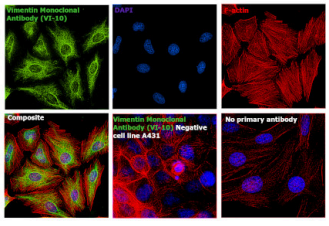
Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Pig, Rat
Published Species	Human
Host/Isotype	Mouse / IgM
Class	Monoclonal
Type	Antibody
Clone	VI-10
Conjugate	Unconjugated
Immunogen	not available
Form	Liquid
Concentration	1 mg/mL
Purification	sequential chromatography
Storage buffer	TBS, pH 8
Contains	15mM sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_11154471

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-dependent	2 Publications
Immunoprecipitation (IP)	Assay-dependent	-

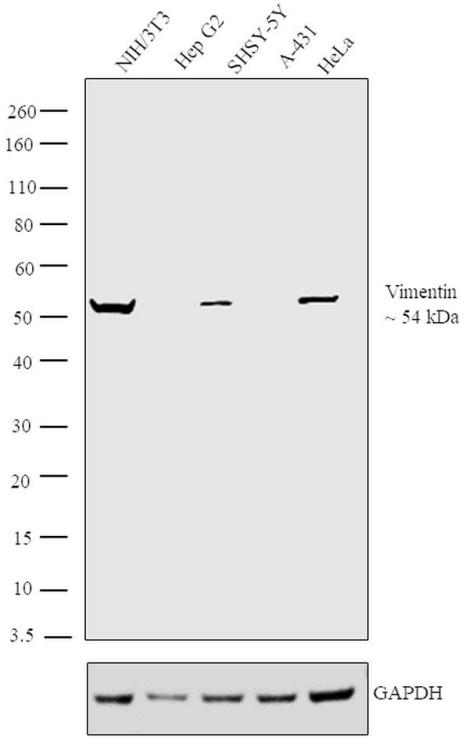
Product Specific Information

Immunocytochemistry: Staining technique: (a) fix cells for 10 min in methanol at -20°C and for 6 min in acetone at -20°C; (b) fix cells directly in methanol for 10 min at -20°C or in acetone for 10 min at -20°C.

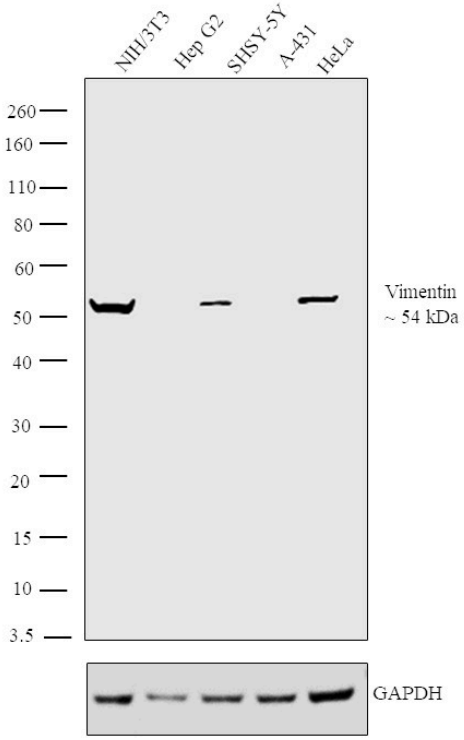
Product Images For Vimentin Monoclonal Antibody (VI-10)



Vimentin Antibody (MA1-10459)
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 Monoclonal Antibody (Product # MA1-10459) showed expression of Vimentin in HeLa compared to A-431. {RE}



Vimentin Antibody (MA1-10459) in WB
Western blot analysis was performed on Whole cell extracts (30 µg lysate) of NIH /3T3 (Lane 1), Hep G2 (Lane 2), SHSY-5Y (Lane 3), A-431 (Lane 4) and HeLa (Lane 5). The blot was probed with Anti-Vimentin Monoclonal Antibody (Product # MA1-10459, 1:2000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/ml, 1:4000 dilution). A 54 kDa band corresponding to Vimentin was observed across all the cell lines positive for Vimentin (Lanes 1, 3 and 5) while this band was absent in the cell lines which do not express Vimentin protein (Lanes 2 and 4).



Vimentin Antibody (MA1-10459)
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 # MA1-10459) in western blot. {RE}

View more figures on thermofisher.com

4 References

Immunohistochemistry (2)

Cancers

Expansion of Circulating Tumor Cells from Patients with Locally Advanced Pancreatic Cancer Enable Patient Derived Xenografts and Functional Studies for Personalized Medicine.

"Published figure using Vimentin monoclonal antibody (Product # MA1-10459) in Immunohistochemistry"

Authors: Rivera-Báez L,Lohse I,Lin E,Raghavan S,Owen S,Harouaka R,Herman K,Mehta G,Lawrence TS,Morgan MA, Cuneo KC,Nagrath S

Year
2020

Species
Human

Stem cell reports

Heterogeneity of Human Breast Stem and Progenitor Cells as Revealed by Transcriptional Profiling.

"Published figure using Vimentin monoclonal antibody (Product # MA1-10459) in Immunofluorescence"

Authors: Colacino JA,Azizi E,Brooks MD,Harouaka R,Fouladdel S,McDermott SP,Lee M,Hill D,Madden J,Boerner J, Cote ML,Sartor MA,Rozek LS,Wicha MS

Year
2018

Immunocytochemistry (2)

Cancers

Expansion of Circulating Tumor Cells from Patients with Locally Advanced Pancreatic Cancer Enable Patient Derived Xenografts and Functional Studies for Personalized Medicine.

"Published figure using Vimentin monoclonal antibody (Product # MA1-10459) in Immunohistochemistry"

Authors: Rivera-Báez L,Lohse I,Lin E,Raghavan S,Owen S,Harouaka R,Herman K,Mehta G,Lawrence TS,Morgan MA, Cuneo KC,Nagrath S

Year
2020

Species
Human

Human reproduction (Oxford, England)

Quantitative detection of human spermatogonia for optimization of spermatogonial stem cell culture.

"MA1-10459 was used in immunocytochemistry to optimize a spermatogonial stem cell culture system"

Authors: Zheng Y,Thomas A,Schmidt CM,Dann CT

Year
2014

Species
Human

Dilution
1:500