abcam

ab128507

FITC Anti-Vimentin antibody [RV202]

Anti-Vimentin antibody [RV202] conjugated to FITC - suitable for intracellular flow cytometry, IHC-Fr, and reacts with human, pig samples. Clone [RV202] is a mouse monoclonal antibody cited in 37 publications.

Key facts

Isotype	IgG1
Host species	Mouse
Conjugation	FITC
Excitation/Emission	Ex: 495nm, Em: 519nm
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 0.1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Native Full Length Protein corresponding to Cow VIM. Database link P48616
Clone number	RV202
Purification technique	Affinity purification Protein G
Concentration	0.028 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/1000

Notes	ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Expected

Species	Pig
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Zebrafish
Dilution info	-
Notes	ab91356 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

IHC-Fr

Tested

Species	Pig
Dilution info	1/10 - 1/200
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Zebrafish
Dilution info	-
Notes	-

Target data

See full target information VIM

Function	Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. Plays a role in cell directional movement, orientation, cell sheet organization and Golgi complex polarization at the cell migration front (By similarity). Protects SCRIB from proteasomal degradation and facilitates its localization to intermediate filaments in a cell contact-mediated manner (By similarity). May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips (By similarity). Involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Store in the dark

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

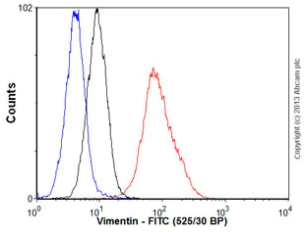
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

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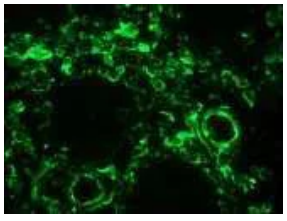
2 product images



Flow Cytometry (Intracellular) - FITC Anti-Vimentin antibody [RV202] (ab128507)

Vimentin Flow Cytometry (Intracellular) staining using mouse Anti-Vimentin antibody

Overlay histogram showing HeLa cells stained with ab128507 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Triton for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab128507, 1/1000 dilution) for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [MOPC-21] (FITC) (ab18435, 1µg/1x10^6 cells) for 30 min at 22°C. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Frozen sections) - FITC Anti-Vimentin antibody [RV202] (ab128507)

Vimentin Immunohistochemistry (Frozen sections) staining using mouse Anti-Vimentin antibody

ab128507, at 1/200 dilution, staining Vimentin in a frozen section of Swine colon tissue by Immunohistochemistry.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.