

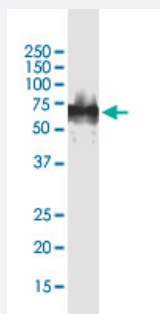
CX Grade

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1

Catalog # H00007431-M08J

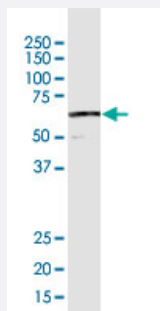
Size 50 ug

Applications



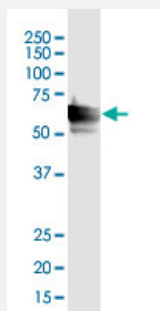
Western Blot (Cell lysate)

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Western Blot analysis of VIM expression in MDA-MB-231.



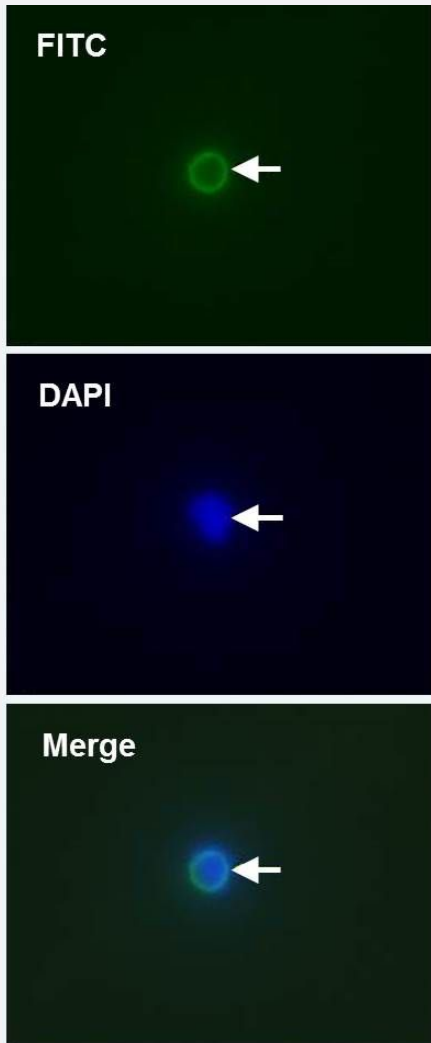
Western Blot (Cell lysate)

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Western Blot analysis of VIM expression in SKNBE2.



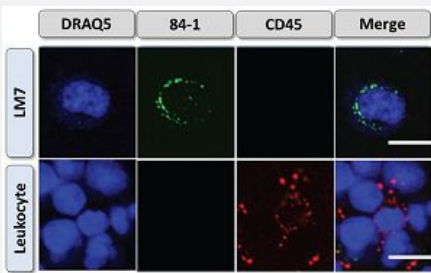
Western Blot (Cell lysate)

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Western Blot analysis of VIM expression in PC-3.



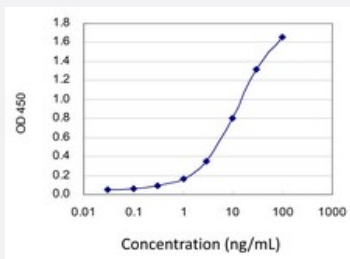
Immunofluorescence

Immunofluorescence staining on non-fixed, non-permeabilized MDA-MB-231 cells using FITC conjugated Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1 for CSV (Green) and DAPI for nucleus (Blue).



Immunofluorescence

Immunofluorescence staining of CSV on isolated LM7 cancer cells and leukocytes using Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. The cells were co-stained against DRAQ5, CSV and CD45. (Satelli A., et al. Cancer Research 2014; 74:1645-1650)

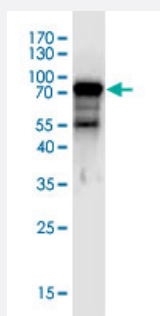
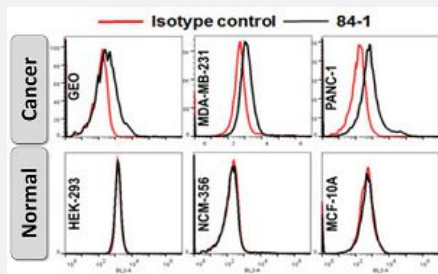


Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged VIM is 0.1 ng/ml as a capture antibody.

Flow Cytometry

Flow cytometric analysis of CSV expression in cancer (top) and normal (bottom) cell lines using Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Isotype controls were used as negative controls. (Satelli A., et al., Clinical Cancer Research 2014; 21(4):899-906)



Western Blot detection against Immunogen.

Specification

Product Description Mouse monoclonal antibody recognizes human cell-surface vimentin (CSV). This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen Human recombinant vimentin

Host Mouse

Reactivity Human

Interspecies Antigen Sequence Mouse (100); Rat (100)

Form Liquid

Preparation Method Cell Culture Production

Isotype IgG2b, kappa

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

Cell-Surface Vimentin (CSV) detecting antibody is best used before cell fixation and permeabilization. If fixation is required, please use Abnova's [Special Fixative](#).

Cell-Surface Vimentin (CSV) antibody is a pending MD Anderson patent which has been exclusively licensed to Abnova Corporation.

Applications

- Western Blot (Cell lysate)

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Western Blot analysis of VIM expression in MDA-MB-231.

[Protocol Download](#)

- Western Blot (Cell lysate)

Cell-Surface Vimentin (CSV) monoclonal antibody, clone 84-1. Western Blot analysis of VIM expression in SKNB2.

[Protocol Download](#)

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[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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[Protocol Download](#)

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Gene Info — VIM

Entrez GeneID [7431](#)

Gene Name VIM

Gene Alias FLJ36605

Gene Description vimentin

Omim ID [193060](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the intermediate filament family. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract

Other Designations OTTHUMP00000019224

Publication Reference

- [A surrogate marker for very early-stage tau pathology is detectable by molecular magnetic resonance imaging.](#)

Parag Parekh, Qingshan Mu, Andrew Badachhpe, Rohan Bhavane, Mayank Srivastava, Laxman Devkota, Xianwei Sun, Prajwal Bhandari, Jason L Eriksen, Eric Tanifum, Ketan Ghaghada, Ananth Annapragada.

Theranostics 2022 Jul; 12(12):5504.

Application: IF, Mouse, Brain tissue, H-SY5Y cell

- [Glioblastoma Multiforme Selective Nanomedicines for Improved Anti-Cancer Treatments.](#)

Jason Thomas Duskey, Arianna Rinaldi, Ilaria Ottonelli, Riccardo Caraffi, Chiara Alessia De Benedictis, Ann Katrin Sauer, Giovanni Tosi, Maria Angela Vandelli, Barbara Ruozzi, Andreas Martin Grabrucker.

Pharmaceutics 2022 Jul; 14(7):1450.

Application: Immunogen, Rat, C6 cells

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)