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antibody and ELISA experts

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Anti-Vimentin Antibody Picoband® PE Conjugated

Catalog Number: PB9359-PE

About VIM

VIM (vimentin) is also known as HEL113 or CTRCT30. This gene encodes a member of the intermediate filament family. Intermediate filamentents, 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.

Overview

Product Name	Anti-Vimentin Antibody Picoband® PE Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P08670

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Vimentin, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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120 Publications Citing This Product

1. PubMed ID: 10.3892/ijo.2018.4564, Histone deacetylase HDAC4 promotes the proliferation and invasion of glioma cells

2. PubMed ID: 10.3390/cancers12030579, Development and Radiation Response Assessment in A Novel Syngeneic Mouse Model of Tongue Cancer: 2D Culture, 3D Organoids and Orthotopic Allografts

3. PubMed ID: 10.1186/s12906-021-03213-5, Baicalein inhibits inflammatory response and promotes osteogenic activity in periodontal ligament cells challenged with lipopolysaccharides

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Anti-Vimentin Antibody - PE

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