

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

11-7555: Polyclonal Antibody to Vimentin

Clonality: Polyclonal

Application: WB
Reactivity: Human
Gene: VIM
Gene ID: 7431
Uniprot ID: P08670
Format: Purified
Alternative Name: VIM

Isotype: Rabbit IgG

Immunogen Information: A partial length recombinant Vimentin protein (amino acids 52-231) was used as the immunogen

for this antibody.

Description

Vimentin is a major constituent of the intermediate filament family of proteins whose expression correlates with increased metastatic disease, reduced patient survival and poor prognosis across multiple tumor types. It is ubiquitously expressed in normal mesenchymal cells and is known to maintain cellular integrity and provide resistance against stress. Vimentin is overexpressed in various epithelial cancers, including prostate cancer, gastrointestinal tumors, tumors of the central nervous system, breast cancer, malignant melanoma, and lung cancer. Vimentin shows dynamically altered expression patterns during different developmental stages and high sequence homology throughout all vertebrates, suggesting that the protein is physiologically important. Its overexpression in cancer correlates with accelerated tumor growth, invasion, and poor prognosis; however, the role of vimentin in cancer progression remains obscure. In the recent years, vimentin has gained much importance as a marker for epithelial-mesenchymal transition (EMT).

Product Info

Amount: 25 μg / 100 μg

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Western blot analysis: 1-2 µg/ml



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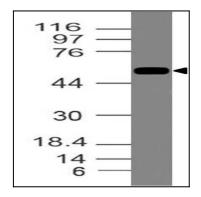


Fig-1: Expression analysis of Vimentin. Anti-Vimentin antibody (11-7555) was used at 1 μ g/ml on A549 lysate.