

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

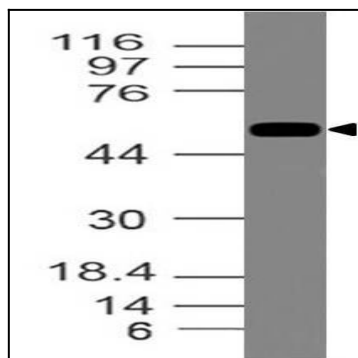


Fig-1: Expression analysis of Vimentin. Anti-Vimentin antibody (11-7555) was used at 1 μ g/ml on A549 lysate.