# Vimentin (Mesenchymal Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone LN-6]

| Catalog No | Format | Size |
|---|---|---|
| 7431-MSM2-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 7431-MSM2-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 7431-MSM2-P1BX | Purified Ab WITHOUT BSA at 1.0mg/ml | 100 ug |

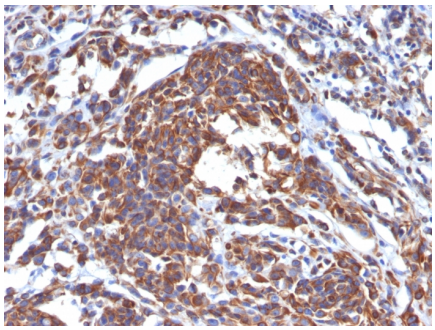
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

| | |
|---|---|
| **Clone** | LN-6 |
| **Gene Name** | VIM |
| **Immunogen** | Human thymic nuclear extract |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgM / Kappa |
| **Mol. Weight of Antigen** | 57-60kDa |
| **Cellular Localization** | Cell membrane, Cytoplasm, Cytoskeleton, Nucleus matrix |
| **Species Reactivity** | Cat, Cow, Human, Mouse, Pig, Rabbit, Rat, Sheep |
| **Positive Control** | Jurkat cells, Melanomas., Sarcomas |

**Optimal dilution for a specific application should be determined.*

## Product Images for Vimentin (Mesenchymal Cell Marker) Antibody



Formalin-fixed, paraffin-embedded human Melanoma stained with Vimentin Monoclonal Antibody (LN-6).

### Specificity & Comments

This MAb reacts with a 58kDa protein identified as vimentin. It reacts with a non-hematopoietic epitope of vimentin and shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein.Vimentin is ubiquitously expressed in mesenchymal cells such as fibroblasts, smooth muscle cells, and endothelium. Antibody against vimentin is useful as part of an antibody panel for differential diagnosis of tumors of unknown origin.Ab-2 does not react with leukocyte common antigen-positive tissues such as lymphomas and leukemias.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Apoptosis, Cytokine Signaling, Immunology, Neural Stem Cells, Ovarian Cancer, Signal Transduction, Stem Cell Differentiation

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.