

Vimentin Polyclonal Antibody

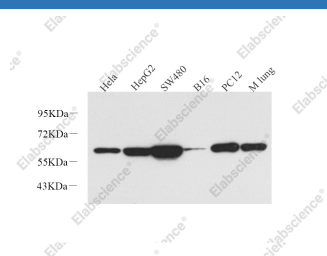
catalog number: E-AB-70081

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse vimentin
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

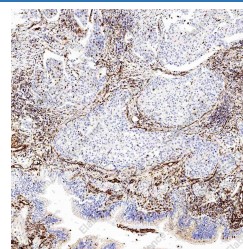
Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:200-1:800

Data

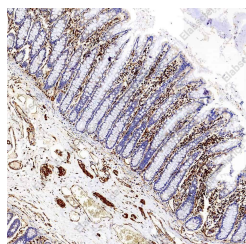


Western Blot analysis of various samples using Vimentin Polyclonal Antibody at dilution of 1:1000.

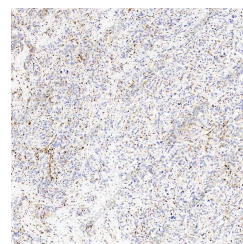
Observed-MW:57 kDa
Calculated-MW:57 kDa



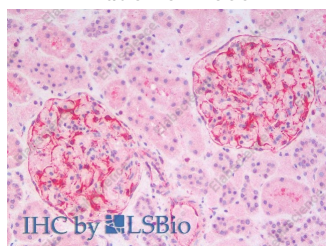
Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Vimentin Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Human colon using Vimentin Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer using Vimentin Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Human Kidney using Vimentin Polyclonal Antibody(Elabscience Product Detected by Lifespan).

For Research Use Only

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Rev. V1.8

Preparation & Storage

Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping

The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor- α (TNF α ; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092), suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level.

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