

Vimentin Recombinant antibody

Cat:B32006R**Company:** Haokebio**Uniprot ID:**P08670**Applications:** IHC:1:100-1:200**Organism:**Rabbit

IHC-Polymer:1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Background:

Vimentin is the most common member of the intermediate filament protein (IF) family and also a major component of the cytoskeletal structure. It plays a crucial role in maintaining cell integrity and cytoskeletal stability. Like all IF proteins, the reorganization of vimentin occurs through phosphorylation at specific sites (serine and threonine residues) during different phases of the cell cycle and cellular signal transduction processes. Vimentin is expressed in a variety of mesenchymal cell types, such as fibroblasts, endothelial cells, and many other cell types derived from the mesoderm, including mesothelial cells and ovarian granulosa cells. However, in non-vascular smooth muscle cells, vimentin is typically replaced by desmin; this replacement by desmin also occurs in striated muscle. Nevertheless, during the regeneration process, vimentin is re-expressed. Cells in the lymphohematopoietic system (e.g., lymphocytes, macrophages) also express vimentin, sometimes at low levels. In tumor tissues, vimentin is present in many different types of tumors, with particularly high expression in those originating from mesenchymal cells. When used in conjunction with a panel of antibodies, vimentin is employed to identify tumors of mesenchymal origin and malignant melanoma. Additionally, vimentin serves as a valuable control marker for verifying proper tissue processing.

Protein full name:

vimentin

Synonyms:

VIM, 3H9D1

Immunogen:

Peptide

Isotype:

IgG

Subcellular location:

Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

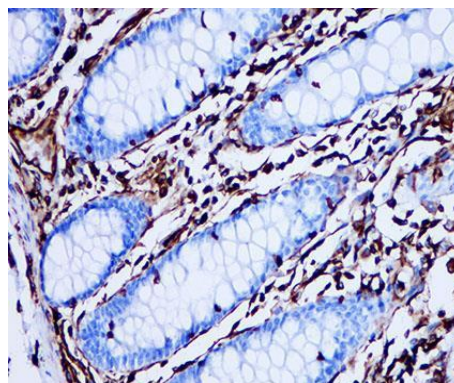
PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 9.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:

Sample: Human colon tissue, 4% PFA 12-24h

Source of Reagents:

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发表[英文论文]请标注:Vimentin(B32006R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.