

Vimentin (ABT281) IHC kit

CatalogNo: IHCM6918

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat,

Applications

- IHC

Isotype

- IgG1, Kappa

Recommended Dilution Ratios

Storage

Storage* 2°C to 8°C/1 year

Basic Information

Clonality Monoclonal

Clone Number ABT281

Immunogen Information

Immunogen Synthesized peptide derived from human Vimentin AA range: 400-466

Specificity The antibody can specifically recognize human Vimentin protein.

Target Information

Gene name VIM

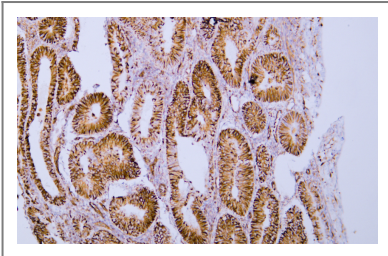
Protein Name	Vimentin		
	Organism	Gene ID	UniProt ID
	Human	7431 ;	P08670 ;

Cellular Localization Cytoplasmic

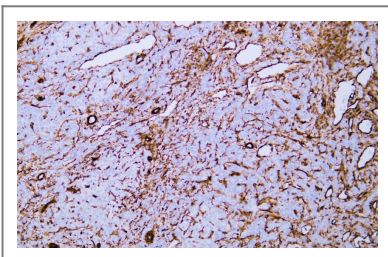
Tissue specificity Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.

Function Function:Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells.,online information:Vimentin entry,PTM:One of the most prominent phosphoproteins in various cells of mesenchymal origin. Phosphorylation is enhanced during cell division, at which time vimentin filaments are significantly reorganized.,sequence Caution:Intron retention.,similarity:Belongs to the intermediate filament family.,subunit:Homopolymer. Interacts with HCV core protein. Interacts with LGSN and SYNM.,tissue specificity:Highly expressed in fibroblasts, some expression in T- and B-lymphocytes, and little or no expression in Burkitt's lymphoma cell lines. Expressed in many hormone-independent mammary carcinoma cell lines.,

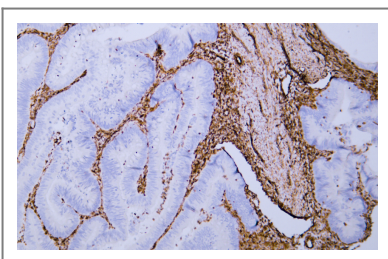
Validation Data



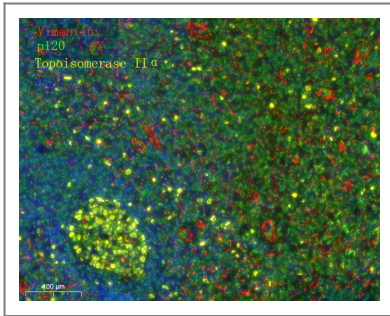
Human endometrial adenocarcinoma tissue was stained with Anti-Vimentin (ABT281) Antibody



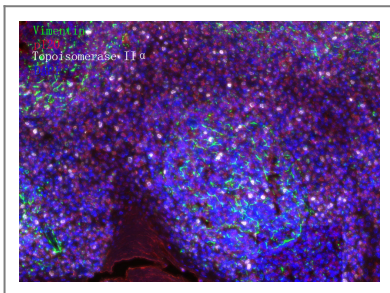
Human hepatocellular carcinoma tissue was stained with Anti-Vimentin (ABT281) Antibody



Human rectal carcinoma tissue was stained with Anti-Vimentin (ABT281) Antibody



Fluorescence multiplex immunohistochemical analysis of Human tonsil tissue (formalin-fixed paraffin-embedded section). Merged staining of Anti-Vimentin (YM6918), Anti-p120 (YM6086), Anti-Topoisomerase II α (YM6914). The immunostaining was performed on a Leica Biosystems BOND[®] MAX instrument with an Sextuple-Fluorescence kit (RS0039, Immunoway). The section was incubated in 3 rounds of staining; sequentially for Anti-Vimentin (YM6918 1:200), Anti-p120 (YM6086 1:200), Anti-Topoisomerase II α (YM6914 1:200).; each using a separate fluorescent tyramide signal amplification system. EDTA based antigen retrieval (Leica Biosystems BOND[®] Epitope Retrieval Solution 2, pH 9.0, 20 minutes) was used in between rounds of tyramide signal amplification to remove the antibody from the previous round, to avoid any cross-reactivity. DAPI (dark blue) was used as a nuclear counter stain. Microscopy and pseudocoloring of individual dyes was performed using a Slideviewer Imaging System (3D histech).



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Contact information

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Please scan the QR code to access additional product information:
Vimentin (ABT281)
IHC kit

For Research Use Only. Not for Use in Diagnostic Procedures.

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