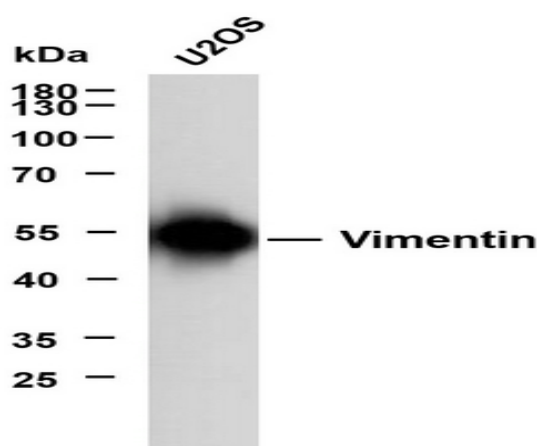


## Vimentin (ABT281) mouse mAb

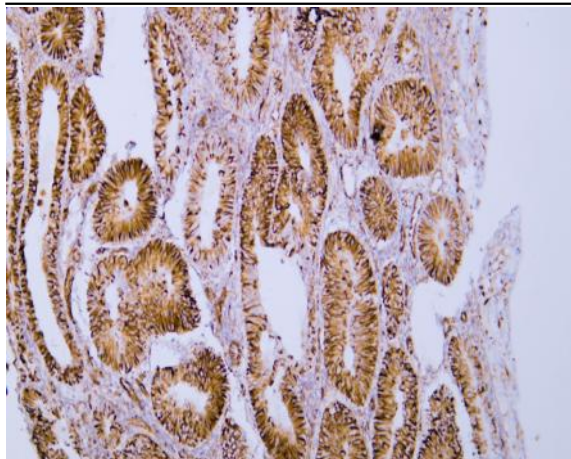
<b>Catalog No :</b>	YM4896
<b>Reactivity :</b>	Human;Mouse;Rat;
<b>Applications :</b>	IHC;WB;IF;ELISA
<b>Target :</b>	Vimentin
<b>Fields :</b>	>>Epstein-Barr virus infection;>>MicroRNAs in cancer
<b>Gene Name :</b>	vim
<b>Human Gene Id :</b>	7431
<b>Human Swiss Prot No :</b>	P08670
<b>Mouse Swiss Prot No :</b>	P20152
<b>Immunogen :</b>	Synthesized peptide derived from human protein. AA range:400-466
<b>Specificity :</b>	The antibody can specifically recognize human Vimentin protein. In western blotting of Hela cell lysate, the antibody can label a 54 kDa band corresponding to Vimentin.
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Mouse, Monoclonal/IgG1, kappa
<b>Dilution :</b>	IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
<b>Purification :</b>	Protein G
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	53kD
<b>Observed Band :</b>	54kD

<b>Background :</b>	Vimentin is the most common member of intermediate filament protein family. It is a main component of cytoskeleton structure. Its main function is to maintain cell integrity and skeleton stability. It is expressed in mesenchymal cells and mesoderm derived cells. Vimentin is a relatively specific marker of mesenchymal cells and their derived tumors.
<b>Function :</b>	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.,
<b>Subcellular Location :</b>	Cytoplasmic
<b>Expression :</b>	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.
<b>Sort :</b>	24164
<b>No4 :</b>	1

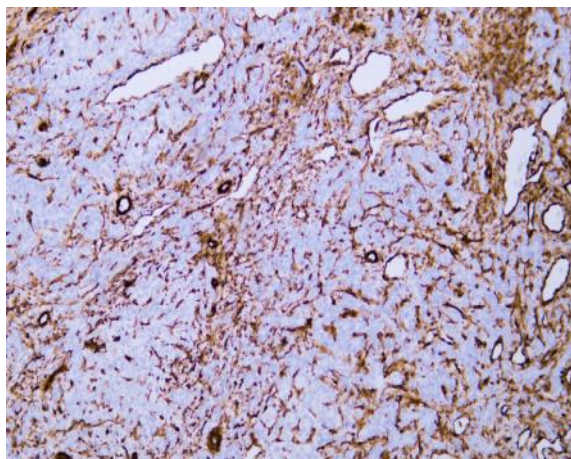
## Products Images



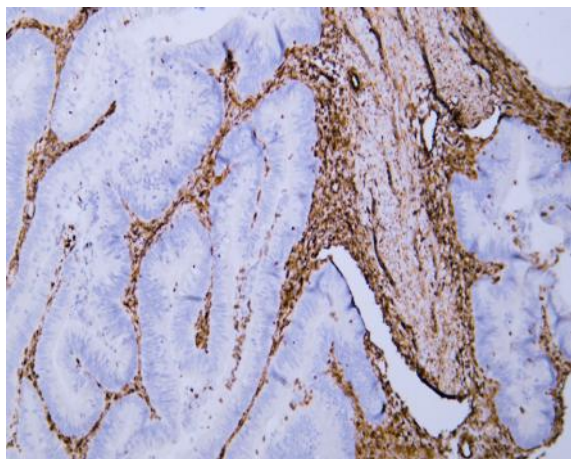
U2OS whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Vimentin(ABT281) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: U2OS



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