

For Research Use Only

# Collagen Type V Monoclonal antibody



Catalog Number: 67604-1-Ig **7 Publications**

## Basic Information

<b>Catalog Number:</b> 67604-1-Ig	<b>GenBank Accession Number:</b> NM_000093	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1289	<b>CloneNo.:</b> 2C2C2
<b>Source:</b> Mouse	<b>Full Name:</b> collagen, type V, alpha 1	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 184 kDa	
	<b>Observed MW:</b> 220 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> HT-1080 cells, HeLa cells, pig colon tissue, mouse colon tissue, rat colon tissue
<b>Species Specificity:</b> Human, Mouse, Rat, Pig	<b>IHC:</b> human breast cancer tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Meng-Han Zhang	36273780	Respir Physiol Neurobiol	WB
Zongfu Pan	36192735	Mol Cancer	WB,IHC,IF
Yinan Chen	34976220	Theranostics	IF

## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

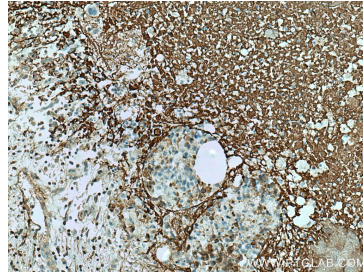
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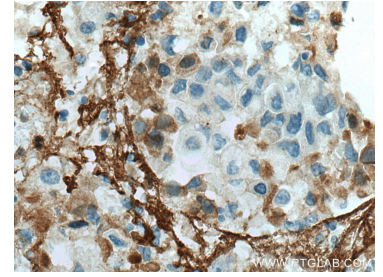
## Selected Validation Data



HT-1080 cells were subjected to SDS PAGE followed by western blot with 67604-1-Ig (Collagen Type V antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67604-1-Ig (Collagen Type V antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67604-1-Ig (Collagen Type V antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).