

MMP-16 Antibody

Catalog No: #33439

Package Size: #33439-1 50ul #33439-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

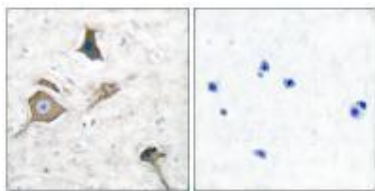
Product Name	MMP-16 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total MMP-16 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human MMP-16 antibody.
Target Name	MMP-16
Other Names	MMP-X2; MMPX2; MT-MMP 3; MT-MMP2; MT-MMP3
Accession No.	Swiss-Prot: P51512NCBI Gene ID: 4325
Uniprot	P51512
GeneID	4325;
SDS-PAGE MW	69kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

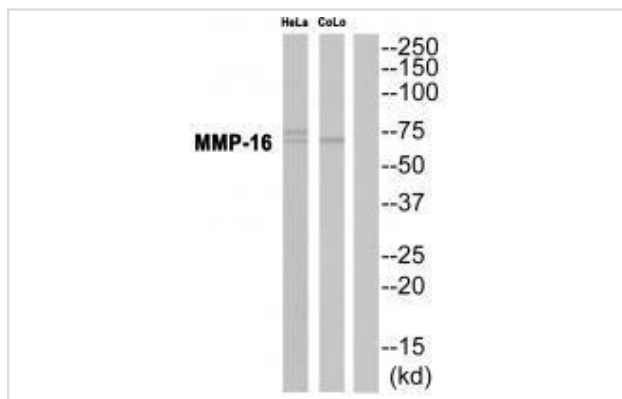
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

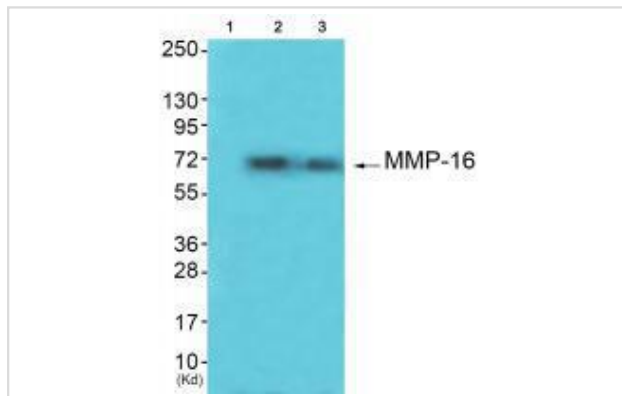
Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using MMP-16 antibody #33439.



Western blot analysis of extracts from HepG2 cells, using MMP-16 antibody #33439.



Western blot analysis of extracts from HeLa cells (Lane 2) and HepG2 cells (Lane 3), using MMP-16 antibody #33439. The lane on the left is treated with synthesized peptide.

Background

Endopeptidase that degrades various components of the extracellular matrix, such as collagen type III and fibronectin. Activates progelatinase A. Involved in the matrix remodeling of blood vessels. Isoform shortcleaves fibronectin and also collagen type III, but at lower rate. It has no effect on type I, II, IV and V collagen. However, upon interaction with CSPG4, it may be involved in degradation and invasion of type I collagen by melanoma cells.

S. Simsa, J Anim Sci, Jun 2007; 85: 1393 - 1401.

Dong-Jin Oh, Invest. Ophthalmol. Vis. Sci., Sep 2006; 47: 3887 - 3895.

Amit Bar-Or, Brain, Dec 2003; 126: 2738 - 2749.

Marco Seandel, Blood, Apr 2001; 97: 2323 - 2332.

Note: This product is for in vitro research use only