MMP20 Antibody

Catalog No: #37734

Orders: order@signalwayantibody.com
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Description

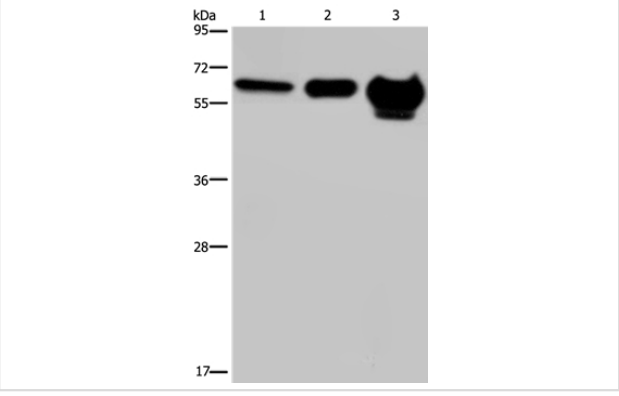
Product Name	MMP20 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total MMP20 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from internal residues of human matrix metallopeptidase 20
Target Name	MMP20
Other Names	AI2A2; MMP-20
Accession No.	Swiss-Prot#: O60882NCBI Gene ID: 9313Gene Accssion: NP_004762
Uniprot	O60882
GeneID	9313;
SDS-PAGE MW	54kd
Concentration	2.7mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

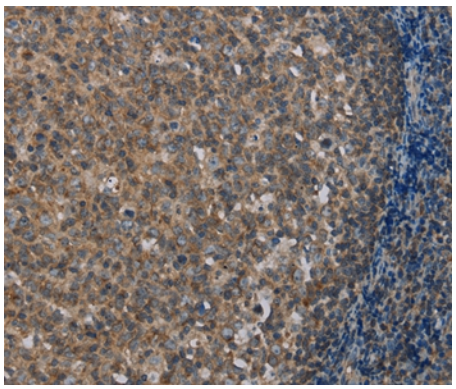
Western blotting: 1:500-1:2000

Immunohistochemistry: 1:50-1:200

Images



Gel: 8%SDS-PAGE
Lysates (from left to right): 823 cell, mouse brain and human fetal brain tissue
Amount of lysate: 40ug per lane
Primary antibody: 1/400 dilution
Secondary antibody dilution: 1/8000
Exposure time: 20 seconds



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using #37734 at dilution 1/40.

Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The protein encoded by this gene degrades amelogenin, the major protein component of dental enamel matrix, and thus thought to play a role in tooth enamel formation. A mutation in this gene, which alters the normal splice pattern and results in premature termination of the encoded protein, has been associated with amelogenesis imperfecta. This gene is part of a cluster of MMP genes located on chromosome 11q22.3.

Note: This product is for in vitro research use only