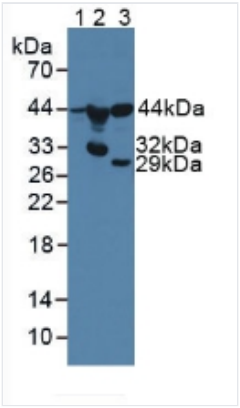
Matrix Metalloproteinase 23b (MMP23B) Antibody – Rabbit Polyclonal

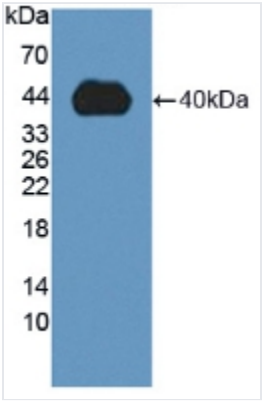
PRODUCT OVERVIEW

Product Name	Matrix Metalloproteinase 23B (MMP23B), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Matrix Metalloproteinase 23B (MMP23B)
Product Gene Name	anti-MMP23B antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Pig
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	0.8mg/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against MMP23B. It has beenselected for its ability to recognize MMP23B in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) Immunogen: MMP23B (MBS2031154)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) APC-CY7 Conjugated Antibody: MMP23B (MBS2039507)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) PE Conjugated Antibody: MMP23B (MBS2039508)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) APC Conjugated Antibody: MMP23B (MBS2039509)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) Cy3 Conjugated Antibody: MMP23B (MBS2039510)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) FITC Conjugated Antibody: MMP23B (MBS2039511)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) HRP Conjugated Antibody: MMP23B (MBS2039512)
Matching Pairs	Unconjugated Antibody: Matrix Metalloproteinase 23B (MBS2027441) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Matrix Metalloproteinase 23B (MBS2027441) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: MMP23B (MBS2027441) Biotin Conjugated Antibody: MMP23B (MBS2091708)
Molecular Weight	46,305 Da
OMIM	AF055334 Genomic DNA
3D Structure	ModBase 3D Structure for O75900

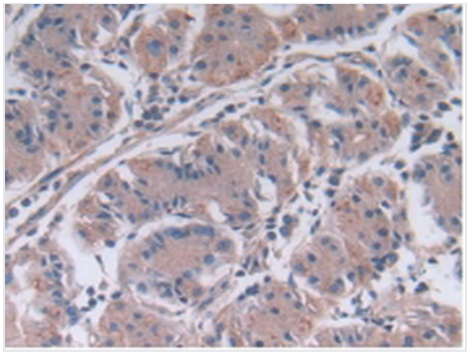
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Fragment	MMP23B (Tyr79~Gly390)
Organism Species	Homo sapiens (Human)
Cross Reactivity	Human, Pig
Conjugate	No Conjugate
Immunogen	Recombinant MMP23B (Tyr79~Gly390) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2039509
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-MMP23B antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-MMP23B antibody	Western blotting: 0.5-2ug/mL Immunohistochemistry: 5-20ug/mL Immunocytochemistry: 5-20ug/mL Optimal working dilutions must be determined by end user.
Related Product Information for anti-MMP23B antibody	MBS2027441 is an antibody targeting MMP23B. Also known as Polyclonal Antibody to Matrix Metalloproteinase 23B (MMP23B). Reactive in Human, Pig. Host: Rabbit.
Other Notes	Small volumes of anti-MMP23B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



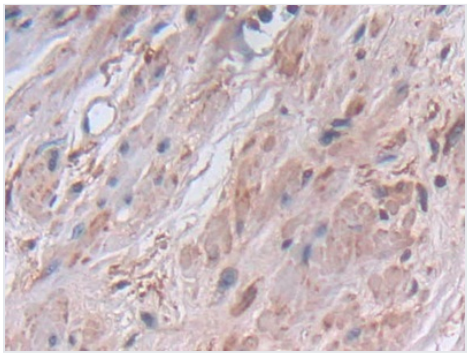
Western Blot (WB) of anti-MMP23B antibody
Western Blot: Sample: Lane1: Human PC-3 Cells; Lane2: Porcine Stomach Tissue; Lane3: Porcine Large Intestine Tissue.



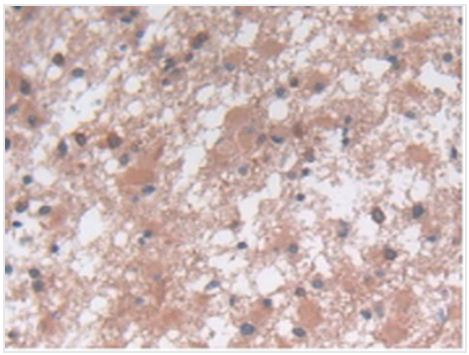
Western Blot (WB) of anti-MMP23B antibody
Western Blot: Sample: Recombinant MMP23B, Human.



Immunohistochemistry (IHC) of anti-MMP23B antibody
DAB staining on IHC-P; Samples: Human Stomach Tissue.



Immunohistochemistry (IHC) of anti-MMP23B antibody
DAB staining on IHC-P; Samples: Human Prostate Gland Tissue



Immunohistochemistry (IHC) of anti-MMP23B antibody
DAB staining on IHC-P; Samples: Human Glioma Tissue

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MMP23B. It may not necessarily be applicable to this product.

NCBI GI #	5902004
NCBI GeneID	8510
NCBI Accession #	NP_008914.1
UniProt Primary Accession #	O75900
UniProt Secondary Accession #	O75894; O75895; Q5QPQ8; Q76P96; Q7LDM6; Q7LDM7; Q9UBR9; Q9UJK8; A2AGN0; A2AGN1
UniProt Related Accession #	O75900
GenBank Nucleotide #	NM_006983.1
NCBI Official Full Name	matrix metalloproteinase-23
NCBI Official Synonym Full Names	matrix metallopeptidase 23B
NCBI Official Symbol	MMP23B
NCBI Official Synonym Symbols	MIFR; MMP22; MIFR-1; MMP23A
UniProt Protein Name	Matrix metalloproteinase-23
UniProt Synonym Protein Names	Femalysin; MIFR-1; Matrix metalloproteinase-21; MMP-21
UniProt Gene Name	MMP23A
UniProt Synonym Gene Names	MMP21; MMP-23; MMP-21; MMP-22
NCBI Protein Information	matrix metalloproteinase-23
NCBI Summary for MMP23B	This gene (MMP23B) encodes a member of the matrix metalloproteinase (MMP) family, and it is part of a duplicated region of chromosome 1p36.3. 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. This gene belongs to the more telomeric copy of the duplicated region. [provided by RefSeq, Jul 2008]

UniProt Comments for MMP23B	MMP23B: Protease. May regulate the surface expression of some potassium channels by retaining them in the endoplasmic reticulum. Belongs to the peptidase M10A family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.4.24.-; Membrane protein, integral; Protease Chromosomal Location of Human Ortholog: 1p36.33 Cellular Component: endoplasmic reticulum membrane; integral component of membrane; intracellular; proteinaceous extracellular matrix Molecular Function: metalloendopeptidase activity; metallopeptidase activity; zinc ion binding Biological Process: proteolysis; reproduction
Research Articles on MMP23B	**1.** Compares rat and human proteins, describes unique Type II membrane topology, and suggests a role in reproductive processes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mmp23b-human-pig-antibody/matrix-metalloproteinase-23b/2027441