Rabbit MMP23 Polyclonal Antibody | anti-MMP23 antibody

MMP23 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320857	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

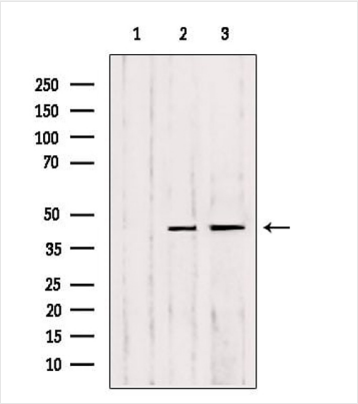
PRODUCT SYNONYMS

MMP23; Polyclonal Antibody; MMP23 Antibody; Femalysin; Matrix metallopeptidase 21; Matrix metallopeptidase 23A (pseudogene); Matrix metallopeptidase 23A; Matrix metallopeptidase 23B; Matrix metalloproteinase 22; Matrix metalloproteinase 23; Matrix metalloproteinase 23B; Matrix metalloproteinase in the female reproductive tract; Matrix metalloproteinase-21; Matrix metalloproteinase-22; Matrix metalloproteinase-23; MIFR; MIFR-1; MIFR1; MMP 23; MMP-21; MMP-22; MMP-23; MMP21; MMP22; MMP23_HUMAN; MMP23A; MMP23B; soluble form; anti-MMP23 antibody

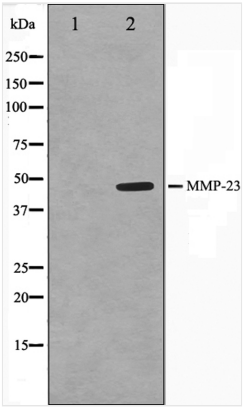
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MMP23 antibody detects endogenous levels of total MMP23
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-MMP23 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MMP23
Subcellular Location	Endoplasmic Reticulum Membrane. Membrane. A secreted form produced by proteolytic cleavage may also exist.
Tissue Specificity	Predominantly expressed in ovary, testis and prostate.
Predicted Cross Reactivity	**Bovine**
Similarity	Bovine (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

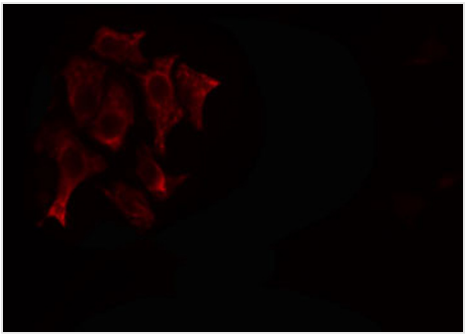
IMAGES



WB (Western Blot)
Western blot analysis of extracts from various samples, using MMP23 Antibody. Lane 1: Hela treated with blocking peptide. Lane 2: Hela; Lane 3: Hepg2;



WB (Western Blot)
Western blot analysis on SK-OV3 cell lysate using MMP23 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA320857 staining SKOV3 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP23 antibody	Description: MMP23B Protease. Belongs to the peptidase M10A family. 3 isoforms of the human protein are produced by alternative splicing. Function: Protease. May regulate the surface expression of some potassium channels by retaining them in the endoplasmic reticulum (By similarity). Post-translational Modifications: N-glycosylated. Proteolytic cleavage might yield an active form. Similarity: The ShKT domain associates with, and blocks several potassium channels in the nanomolar to low micromolar range. The relative affinity is Kv1.6 > Kv1.3 > Kv1.1 = Kv3.2 > Kv1.4 (By similarity). Belongs to the peptidase M10A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902004
NCBI GeneID	8510
NCBI Accession #	NP_008914.1
NCBI GenBank Nucleotide #	NM_006983.1
UniProt Accession #	O75900; O75894; O75895; Q5QPQ8; Q76P96; Q7LDM6; Q7LDM7; Q9UBR9; Q9UJK8; A2AGN0; A2AGN1
Molecular Weight	Observed: 44 kDa Predicted: 44 kDa

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
NCBI Protein Information	matrix metalloproteinase-23
UniProt Protein Name	Matrix metalloproteinase-23
UniProt Gene Name	**MMP23A**
UniProt Synonym Gene Names	MMP21; MMP-23; MMP-21; MMP-22

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/mmp23-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320857