10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-MMP23 Antibody

Catalog # AP59744

## Product Information

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|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | O75900 |
| **Reactivity** | Human, Mouse, Rat, Mk |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 43935 |

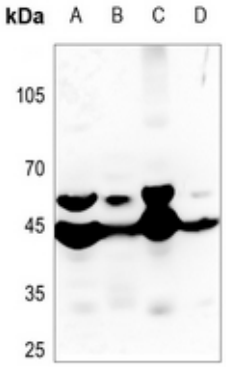
## Additional Information

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|---|---|
| **Gene ID** | 8510 |
| **Other Names** | MMP21; MMP21; MMP22; Matrix metalloproteinase-23; MMP-23; Femalysin; MIFR-1; Matrix metalloproteinase-21; MMP-21; Matrix metalloproteinase-22; MMP-22 |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MMP23. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

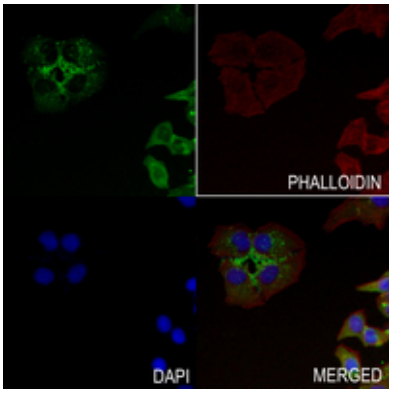
## Protein Information

| | |
|---|---|
| **Name** | MMP23B |
| **Synonyms** | MMP21, MMP22 |
| **Function** | Protease. May regulate the surface expression of some potassium channels by retaining them in the endoplasmic reticulum (By similarity). |
| **Cellular Location** | Endoplasmic reticulum membrane; Single-pass type II membrane protein. Membrane; Single-pass type II membrane protein. Note=A secreted form produced by proteolytic cleavage may also exist. |
| **Tissue Location** | Predominantly expressed in ovary, testis and prostate. |

## Images




Western blot analysis of MMP23 expression in mouse heart (A), mouse muscle (B), rat heart (C), rat muscle (D) whole cell lysates. (Predicted band size: 43 kD; Observed band size: 43; 54 kD)




Immunofluorescent analysis of MMP23 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.