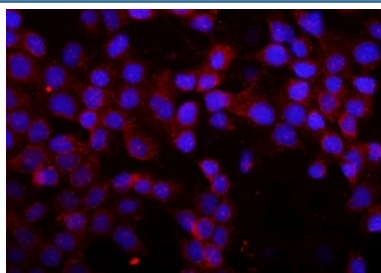


## MMP16 Antibody (R32966)

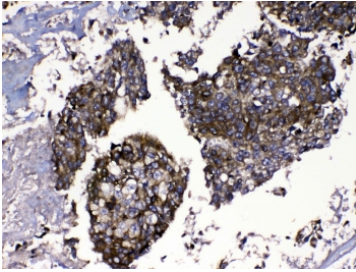
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32966      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

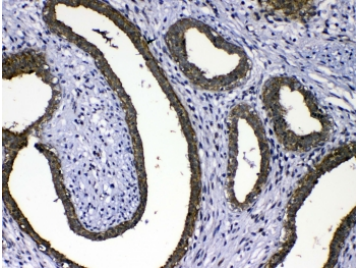
|                           |                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                                                                         |
| <b>Species Reactivity</b> | Human, Mouse, Rat                                                                                                                                                                                                         |
| <b>Format</b>             | Antigen affinity purified                                                                                                                                                                                                 |
| <b>Host</b>               | Rabbit                                                                                                                                                                                                                    |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                                                                                                                |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                                                                                                                |
| <b>Purity</b>             | Antigen affinity                                                                                                                                                                                                          |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide                                                                                                                                                                |
| <b>UniProt</b>            | P51512                                                                                                                                                                                                                    |
| <b>Localization</b>       | Cytoplasmic, membrane, secreted                                                                                                                                                                                           |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>IHC (FFPE) : 1-2ug/ml<br>Immunofluorescence (FFPE) : 2-4ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA (recombinant Human Protein) : 0.1-0.5ug/ml (BSA-free format available) |
| <b>Limitations</b>        | This MMP16 antibody is available for research use only.                                                                                                                                                                   |



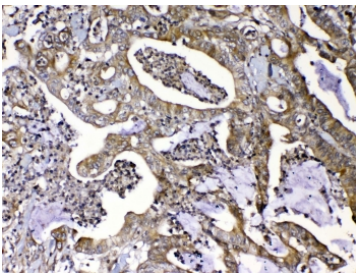
Immunofluorescent staining of FFPE human A431 cells with MMP16 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



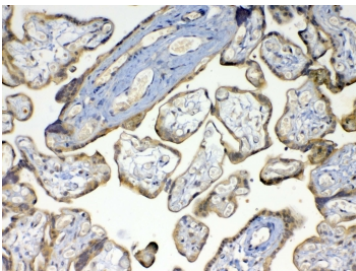
IHC testing of FFPE human lung cancer tissue with MMP16 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



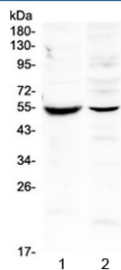
IHC testing of FFPE human breast cancer tissue with MMP16 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



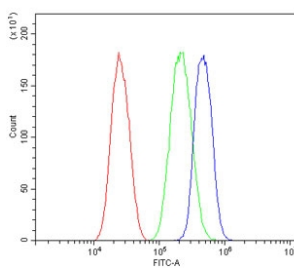
IHC testing of FFPE human colon cancer tissue with MMP16 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE human placental tissue with MMP16 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of 1) mouse intestine and 2) human SMMC-7721 lysate with MMP16 antibody at 0.5ug/ml. Predicted molecular weight: ~70 kDa (long form), ~53 kDa (short form).



Flow cytometry testing of human Caco-2 cells with MMP16 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= MMP16 antibody.

## Description

The Matrix metalloproteinase 16 (MMP16) protein consists of 604 amino acids and has a characteristic MMP domain structure, which gene is mapped on human chromosome 8q21. Additionally, MMP16 has a C-terminal extension containing a potential transmembrane domain, similar to MMP14, MMP15, and MMP17. Furthermore, it is membrane-bound and is a member of the membrane-type MMPs that are a subclass in the MMP family since the other members lack a C-terminal transmembrane domain and are secreted as soluble forms.

## Application Notes

Optimal dilution of the MMP16 antibody should be determined by the researcher.

## Immunogen

A recombinant human protein corresponding to amino acids Y120-I296 was used as the immunogen for the MMP16 antibody.

## Storage

After reconstitution, the MMP16 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.