

MMP-23 (V371) polyclonal antibody

Catalog: BCP01107

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

Matrix metalloproteinases (MMPs) are highly homologous Zn²⁺ endopeptidases involved in extracellular matrix breakdown. MMP mediated extracellular remodeling occurs in normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, including arthritis and metastasis. MMP-23 exhibits sequence similarity with most MMPs, but displays a difference in domain structure. The MMP-23 protein contains prepro-, catalytic, cysteine-rich, Interleukin-1 receptor-related and proline-rich domains. Lacking a recognizable signal sequence, MMP-23 has a short prodomain. In addition, MMP-23 contains a single cysteine residue that can be part of the cysteine-switch mechanism operation for maintaining enzyme latency. MMP-23 is a membrane-anchored glycoprotein with type II topology. Subcellular localization is predominantly perinuclear.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 44 kDa

Swiss-Prot:

O75900

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

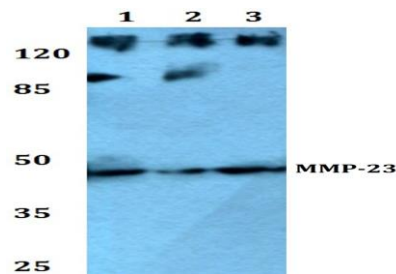
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MMP-23 (V371) polyclonal antibody detects endogenous levels of MMP-23 protein.

DATA:



Western blot (WB) analysis of MMP-23 (V371) polyclonal antibody at 1:500 dilution

Lane1:BV2 whole cell lysate(40ug)

Lane2:H9C2 whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(40ug)

Lane4:SK-OVCAR3 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.