10320 Camino Santa Fe, Suite G
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PRG2 / Proteoglycan 2 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17244

Specification

PRG2 / Proteoglycan 2 Antibody - Product Information

Application	**IHC-P, WB**
Primary Accession	P13727
Other Accession	5553
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**25206**

PRG2 / Proteoglycan 2 Antibody - Additional Information

Gene ID 5553

Other Names
PRG2, BMPG, Bone marrow proteoglycan, Bone-marrow proteoglycan, Eosinophil major basic protein, MBP1, Natural killer cell activator, Proteoglycan 2, Proteoglycan 2 preproprotein

Target/Specificity
Human PRG2 / Proteoglycan 2

Reconstitution & Storage
PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions
PRG2 / Proteoglycan 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRG2 / Proteoglycan 2 Antibody - Protein Information

Name PRG2

Synonyms MBP

Function
Cytotoxin and helminthotoxin. Also induces non-cytolytic histamine release from human basophils. Involved in antiparasitic defense mechanisms and immune hypersensitivity reactions. The proform acts as a proteinase inhibitor, reducing the activity of PAPPA.

Cellular Location
[Bone marrow proteoglycan]: Secreted. Note=The proform is secreted

Tissue Location
Detected in plasma and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717). Detected in placenta (at protein level) (PubMed:32337544). High levels of the proform in placenta and pregnancy serum; in placenta, localized to X cells of septa and anchoring villi. Lower levels in a variety of other tissues including kidney, myometrium, endometrium, ovaries, breast, prostate, bone marrow and colon.

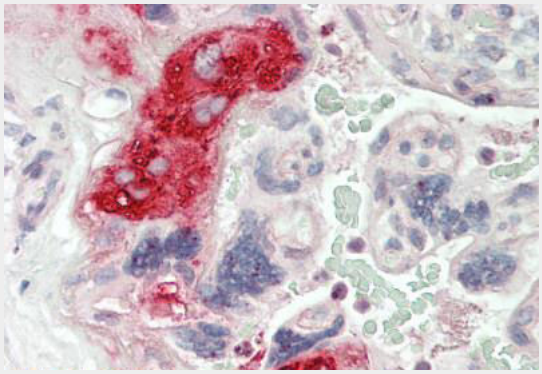
Volume
50 µl

PRG2 / Proteoglycan 2 Antibody - Protocols

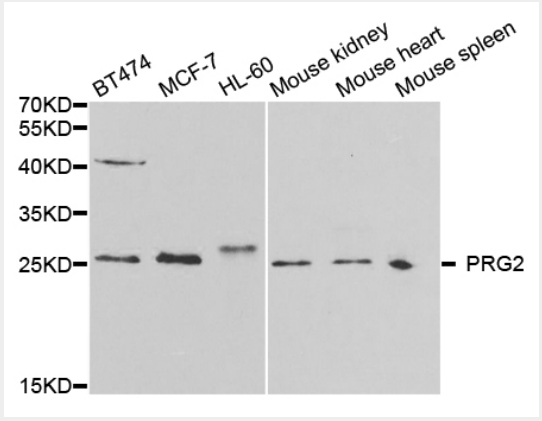
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRG2 / Proteoglycan 2 Antibody - Images



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot analysis of extracts of various cell lines, using PRG2 antibody.

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PRG2 / Proteoglycan 2 Antibody - Background

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PRG2 / Proteoglycan 2 Antibody - References

Barker R.L.,et al.J. Exp. Med. 168:1493-1498(1988).
Barker R.L.,et al.Submitted (OCT-1989) to the EMBL/GenBank/DDBJ databases.
Barker R.L.,et al.Gene 86:285-289(1990).
McGrogan M.,et al.J. Exp. Med. 168:2295-2308(1988).
Yoshimatsu K.,et al.Mol. Immunol. 29:537-546(1992).