

**PRG2 / Proteoglycan 2 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS17244****Specification**

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**PRG2 / Proteoglycan 2 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC-P, WB              |
| Primary Accession | <a href="#">P13727</a> |
| Other Accession   | <a href="#">5553</a>   |
| 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.

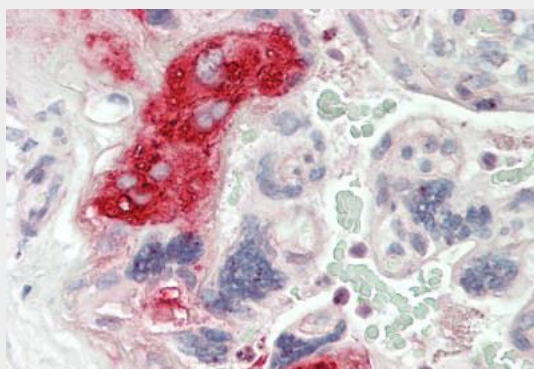
**Volume**

50  $\mu$ l

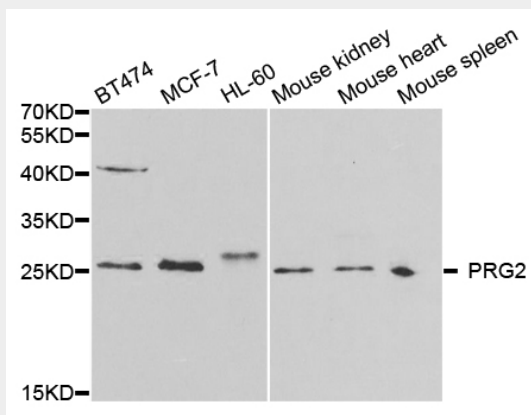
**PRG2 / Proteoglycan 2 Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.

**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).