# PRG2 Rabbit pAb

**Catalog NO.: A24855**

## Basic Information

### Observed MW
28kDa

### Calculated MW
23kDa/25kDa

### Category
Polyclonal Antibodies

### Applications
WB, IF-P, ELISA

### Cross-Reactivity
Human

### Conjugation
Unconjugated

## Background

The protein encoded by this gene is the predominant constituent of the crystalline core of the eosinophil granule. High levels of the proform of this protein are also present in placenta and pregnancy serum, where it exists as a complex with several other proteins including pregnancy-associated plasma protein A (PAPPA), angiotensinogen (AGT), and C3dg. This protein may be involved in antiparasitic defense mechanisms as a cytotoxin and helminthotoxin, and in immune hypersensitivity reactions. The encoded protein contains a peptide that displays potent antimicrobial activity against Gram-positive bacteria, Gram-negative bacteria, and fungi. It is directly implicated in epithelial cell damage, exfoliation, and bronchospasm in allergic diseases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:500 - 1:1000 |
| **IF-P** | 1:50 - 1:200 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
5553

### Swiss Prot
P13727

### Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

### Synonyms
PRG2; BMPG; MBP; MBP1; proMBP; bone marrow proteoglycan

## Contact

## Product Information

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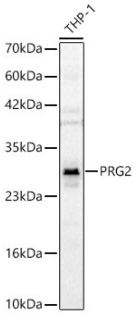
**Source**
Rabbit

**Isotype**
IgG

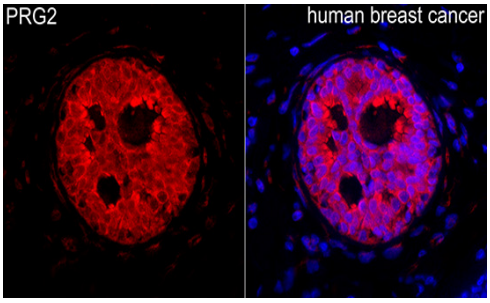
**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data




Western blot analysis of lysates from THP-1 cells using PRG2 Rabbit pAb (A24855) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.




Immunofluorescence analysis of paraffin-embedded human breast cancer using PRG2 Rabbit pAb (A24855) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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