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# Ga15/16 Antibody
**Rabbit Polyclonal Antibody**
**Catalog # ABV10195**

## Specification

### Ga15/16 Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P30679 |
| Other Accession | AAC25612 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **43508** |

### Ga15/16 Antibody - Additional Information

**Gene ID** 2769

Application & Usage

**Western blotting (0.5-4 µg/ml) and in Immunohistochemistry (5-20 µg/ml). However, the optimal conditions should be determined individually. The antibody detects Gα15 in samples from human, mouse, rat, and rabbit origins. It also detects Gα16 from samples of human origin. Reactivity to other species has not been determined.**

**Other Names**
G alpha binding protein

**Target/Specificity**
Ga 15/16

**Antibody Form**
Liquid

**Appearance**
Colorless liquid

**Formulation**
100 µg (0.5 mg/ml) affinity purified rabbit anti-Gα15 polyclonal antibody in PBS (pH 7.2) containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**
The antibody solution should be gently mixed before use.

**Reconstitution & Storage**
-20 °C

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**Background Descriptions**

**Precautions**
Ga15/16 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Ga15/16 Antibody - Protein Information

**Name** GNA15

**Synonyms** GNA16

**Function**
Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.

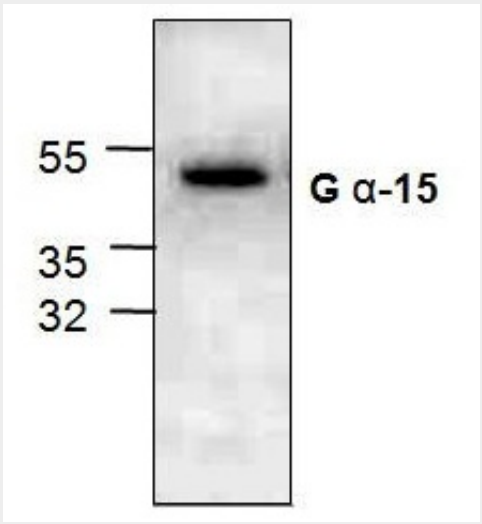
**Tissue Location**
Specifically expressed in hematopoietic cells. Expressed in epididymis (at protein level)

## Ga15/16 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

## Ga15/16 Antibody - Images




Western blot analysis of Gα-15 expression in 3T3 cell lysate.

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## Ga15/16 Antibody - Background

Gα16 is the only heterotrimeric G protein with a restricted expression pattern in hematopoietic cells. Differentiation of promyelocytic cells leads to decreased expression of Gα16. The G protein is known to couple a large number of G protein-coupled receptors to PLC-β and can lead to production of the secondary messengers diacylglycerol and inositol phosphates. Targeted deletion of Gα15, a mouse orthologue of human Gα16, causes reduced C5α receptor signaling. Gα16 serves as a marker, in addition to CD34, for hematopoietic progenitor cells.