

## GPA33 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50357

Clone# BP6325

**Predicted Molecular Wt:** 36kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** Q99795

### Background:

GPA33 is a new member of the immunoglobulin superfamily. The GPA33 protein plays a role in cell-cell adhesion and is implicated in forming stable cell-community networks. It is associated with the epithelial membrane complexes contributing to the structural integrity vital.

GPA33 is expressed in normal gastrointestinal epithelium and in 95% of colon cancers. Furthermore, GPA33 also is expressed on fractions of B, dendritic, natural killer and innate lymphoid cells. Most prominent expression is found in the CD4+ T cell compartment.

GPA33 has strong associations with colorectal cancer and inflammatory bowel disease. Overexpression of GPA33 occurs frequently in colorectal cancer providing a target for therapeutic intervention and diagnostic imaging. GPA33's role in colorectal cancer also links it to proteins like carcinoembryonic antigen (CEA) which are vital in cancer progression and metastasis.

### Subcellular location:

Membrane

### Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide. This information is proprietary to Biolynx.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

- Opstelten R. et al. (2021) Eur J Immunol. Jun;51(6):1377-1389.
- Börding T. et al. (2025) Oncogene. Jan;44(1):30-41



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon labelling GPA33 with BP6325.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.