

## Glypican-3 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50251

Clone# BP6228

**Predicted Molecular Wt:** 66kDa  
**Species Cross-reactivity:** Human  
**Applications:** IHC-P

**Purity:** ProA affinity purified IgG  
**Form:** Liquid  
**Swissprot ID:** P51654

### Background:

Glypican 3, also known as GPC3, is a human gene. The protein encoded by this gene is a member of the glypican family. Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl-phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation.

Glypican-3 antibody has been identified to be a useful tumor marker for the diagnosis of Hepatocellular Carcinoma (HCC), Hepatoblastoma, Melanoma, Testicular Germ Cell Tumors, and Wilms Tumor. In patients with HCC, GPC3 was overexpressed in neoplastic liver tissue and elevated in serum but was undetectable in normal liver, benign liver, and the serum of healthy donors. GPC3 expression was also found to be higher in HCC liver tissue than in cirrhotic liver or liver with focal lesions such as dysplastic nodules and areas of hepatic adenoma (HA) with malignant transformation.

Glypican-3 antibody is mainly used in clinical diagnosis of hepatocellular carcinoma.

### Subcellular location:

Cytoplasm

### 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 corresponding to residues of Glypican-3 was used as an immunogen.

### Storage Buffer:

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

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

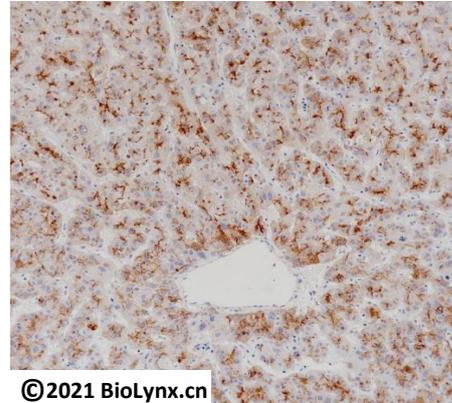
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

1. Anatelli F, et al. Am J Clin Pathol. 2008;130(2):219-23-8.
2. Kandil D, et al. Cancer. 2007;111(5):316-22.



©2021 Biolynx.cn

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of hepatocellular carcinoma labelling Glypican-3 with BP6227.

Product QC'd by:



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