

Glypican-3 (AB1259) mouse mAb

W0348

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- IHC; WB; IF; ELISA

MW

- 66 kDa (calculated)
- 66; 58; 22 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

IHC; WB; IF; ELISA

Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1259

Immunogen A synthetic peptide corresponding to the amino acid region 400 - 500 of the human Glypican - 3 protein.

Specificity The antibody can specifically recognize human Glypican-3 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name GPC3

Protein Name Glypican-3

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P51654	2719

Background Glypican 3 is a carcinoembryonic protein and belongs to the heparan sulfate polysaccharide family. It is mainly expressed in fetal liver, kidney and trophoblast, but not in other normal tissues. Glypican 3 is a sensitive and specific marker of hepatocellular carcinoma. Its expression is related to differentiation. The lower the degree of differentiation, the higher the expression. It is highly expressed in ovarian yolk sac tumor, choriocarcinoma and melanoma.