

## Anti-glypican 3 Polyclonal Antibody

### Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Human                                |
| Molecular Weight: | Theoretical: 65 kDa. Actual: 65 kDa. |
| Purification:     | Protein A purified                   |

### Applications

|  |  |
|--|--|
| Verified Activity:   | 1. Sample: HepG2 (Human) Cell Lysate at 30 µg                  |
|  | Primary: Anti-glypican 3 (TMAB-06582) at 1/1000 dilution       |
|  | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
|  | Predicted band size: 65 kD                                     |
|  | Observed band size: 65 kD                                      |
|  | 2. Sample: A549 (Human) Cell Lysate at 30 µg                   |
|  | Primary: Anti-glypican 3 (TMAB-06582) at 1/1000 dilution       |
|  | Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |
|  | Predicted band size: 65 kD                                     |
| Observed band size: 65 kD                                      |  |
| 3. Sample: JurkaT (Human) Cell Lysate at 30 µg                 |  |
| Primary: Anti-glypican 3 (TMAB-06582) at 1/1000 dilution       |  |
| Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution |  |
| Predicted band size: 65 kD                                     |  |
| Observed band size: 65 kD                                      |  |
| Application:   | WB   |
| Recommended  | WB: 1:500-2000   |

### Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

### Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH conjugated synthetic peptide: human glypican 3 |
| Antigen Species: | Human  |
| Gene ID:         | 2719   |
| Uniprot ID:      | P51654   |

### Research Background

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. The protein encoded by

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this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

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