

## Product datasheet for **DM3562P**

### IGFBP6 Rat Monoclonal Antibody [Clone ID: 21D24]

#### Product data:

|                        |  |
|------------------------|--|
| Product Type:          | Primary Antibodies   |
| Clone Name:            | 21D24  |
| Applications:          | WB   |
| Recommended Dilution:  | Western Blot: 1/500 - 1/1000.  |
| Reactivity:            | Mouse  |
| Host:                  | Rat  |
| Isotype:               | IgG2   |
| Clonality:             | Monoclonal   |
| Immunogen:             | Recombinant protein of IGF-BP6   |
| Specificity:           | This antibody detects IGF-BP6. No cross activity to other IGFBPs.  |
| Formulation:           | State: Purified<br>State: Lyophilized purified Ig  |
| Reconstitution Method: | Restore with 200µl sterile PBS and the final concentration is 500µg/ml.  |
| Purification:          | Protein A/G affinity chromatography  |
| Conjugation:           | Unconjugated   |
| Storage:               | Prior to reconstitution store at -70°C.<br>Following reconstitution store the antibody (in aliquots) at -20°C for 6 month.<br>Avoid repeated freezing and thawing.   |
| Stability:             | Shelf life: one year from despatch.  |
| Gene Name:             | insulin-like growth factor binding protein 6   |
| Database Link:         | <a href="#">Entrez Gene 16012 Mouse P47880</a>   |
| Background:            | IGFBP6 (IGF binding protein 6) is a member of the IGFBP family that regulates the actions of IGFs. It acts extracellularly in an autocrine/paracrine manner. IGFBP6 binds preferentially to IGF-II. IGFBP6 has been shown to inhibit the growth of tumour cells and to promote apoptosis. IGFBP6 has been shown to be imported into the nuclei of rhabdomyosarcoma and HEK-293 cells. This is mediated by a NLS sequence that bears limited homology to those found in IGFBP-3 and -5. Deletion of the NLS segment abolishes the pro-apoptotic effect of IGFBP6. |



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**Synonyms:** IGF-binding protein 6, IGFBP-6, IBP-6, IBP6