Data Sheet (Cat.No.TMAY-03888)

TargetMol

Anti-IGFBP-2 Antibody (1S652)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Rhesus
Conjugation:	Unconjugated
Clone:	1S652
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of Rhesus IGFBP2 in Rhesus liver with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections). 2. Immunochemical staining of Rhesus IGFBP2 in Rhesus kidney with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections). 3. Immunochemical staining of Rhesus IGFBP2 in Rhesus heart with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:20-1:80

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. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Rhesus IGFBP-2 / IGFBP2 Protein (TMPY-02969)
Antigen Species:	Rhesus
Synonyms:	insulin-like growth factor binding protein 2, 36kDa;AI255832;IBP-2;mIGFBP-2;Igfbp-2

Research Background

IGFBP-2, also known as IGFBP2, is an insulin-like growth factor-binding protein (IGFBP). IGFBPs prolong the half-life of the IGFs, control bioavailability, activity, and distribution of insulin-like growth factor (IGF) through high-affinity IGFBP/IGF complexes. Six high-affinity IGF-binding proteins (IGFBP-1 to -6) have been identified. The six IGFBPs are structurally related but encoded by distinct genes. IGFBPs have a high affinity for IGFs. Some members of the IGFBP family have been consistently shown to inhibit IGF actions by preventing them from gaining access to the IGF receptors, while others potentiate IGF actions by facilitating the ligand-receptor interaction. IGFBP-2 is overexpressed in many malignancies and is often correlated with an increasingly malignant status of the tumor, pointing to the potential involvement of IGFBP-2 in tumorigenesis. It contains 1 IGFBP N-terminal domain and 1 thyroglobulin type-1 domain. It inhibits IGF-mediated growth and developmental rates.

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