

Mouse anti-Rhesus IGFBP2 Monoclonal Antibody | anti-IGFBP2 antibody

Anti-IGFBP2 Antibody, Mouse Monoclonal

CATALOG # AAA257353	HOST Mouse	REACTIVITY Rhesus	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

IGFBP2; Monoclonal Antibody; Anti-IGFBP2 Antibody; Mouse Monoclonal; IGFBP-2/IGFBP2 Antibody; Mouse MAb; insulin-like growth factor binding protein 2; 36kDa; anti-IGFBP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rhesus
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	05
Specificity	Rhesus IGFBP-2/IGFBP2
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IGFBP2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Rhesus IGFBP-2/IGFBP2 Protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Rhesus IGFBP-2/IGFBP2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical staining of Rhesus IGFBP2 in Rhesus heart with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunohistochemical staining of Rhesus IGFBP2 in Rhesus kidney with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of Rhesus IGFBP2 in Rhesus liver with mouse monoclonal antibody (1:30, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IGFBP2 antibody

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.

References

Han VK, et al. (1996) The expression of insulin-like growth factor (IGF) and IGF-binding protein (IGFBP) genes in the human placenta and membranes: evidence for IGF-IGFBP interactions at the feto-maternal interface. J Clin Endocrinol Metab. 81(7): 2680-93. Binkert C, et al. (1989) Cloning, sequence analysis and expression of a cDNA encoding a novel insulin-like growth factor binding protein (IGFBP-2). EMBO J. 8(9):2497-502. Wolf E, et al. (2000) Effects of IGFBP-2 overexpression in vitro and in vivo. Pediatr Nephrol. 14 (7):572-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/igfbp2-antibody-clone-05-immunohistochemistry-elisa/257353>