

Anti-IGFBP-7 Antibody (1D723)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1D723
Purification:	Protein A

Applications

Verified Activity:	<p>IGFBP7 was immunoprecipitated using:</p> <ul style="list-style-type: none">-Lane A:0.5 mg 293T Whole Cell Lysate-0.5 µL anti-IGFBP7 rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose.-Primary antibody:-Anti-IGFBP7 rabbit monoclonal antibody, at 1:500 dilution. <p>-Secondary antibody:</p> <ul style="list-style-type: none">-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.-Developed using the odyssey technique.-Performed under reducing conditions.-Predicted band size: 35 kDa.-Observed band size: 35 kDa
Application:	IP
Recommended	IP: 1-2 µL/mg of lysate

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: Human IGFBP7 Protein (TMPY-02296)
Antigen Species:	Human
Synonyms:	insulin-like growth factor binding protein 7;AGM;Mac25;Fstl2

Research Background

Insulin-like growth factor-binding protein 7 (IGFBP7) is a member of the IGFBP family. It has been identified in colorectal adenocarcinoma (CRC) cell lines. The Insulin-like growth factor-binding protein also known as IGFBP serves as a carrier protein for Insulin-like growth factor 1. IGFBPs are distinct but are sharing regions with strong homology. All members of the IGFBP family bind IGF-I and IGF-II with about equal affinity. Insulin-like growth factor (IGF) binding proteins (IGFBPs) have been shown to either inhibit or enhance the action of IGF or act in an IGF-independent manner in the prostate. IGFBP7 could inhibit cell growth, decrease soft agar colony formation activity, and induce apoptosis in RKO and SW620 cells. There is mounting evidence that the structure of the IGFBP proteins plays a key role in the regulation of IGF bioavailability, by modulating its molecular size, capillary membrane

permeability, target tissue specificity, cell membrane adherence, and IGF affinity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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