



20180221BB

Anti-Mouse IGF-BP5 (#12C23)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	103-M238
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with mouse recombinant protein of IGFBP-5).

Target Background

Synonyms (Target):	Igfbp5; IGFBP-5; AI256729; AW208790; IGFBP-5P
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IGFBP5 is expressed by fibroblasts, myoblasts and osteoblasts, making it the predominant IGFBP found in bone extracts. IGFBP5 has a strong affinity for hydroxyapatite, allowing it to bind to bone cells. When bound to extracellular matrix, IGFBP5 is protected from proteolysis and potentiates IGF activity, but when it is soluble, IGFBP5 is cleaved to a biologically inactive 21 kDa fragment. Mouse, human and rat IGFBP5 share 97% identity.

Database References Target

Protein RefSeq:	NP_034648.2
Uniprot ID:	Q07079
mRNA RefSeq:	NM_010518.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#12C23)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein of IGFBP-5
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody detects mouse IGFBP-5 in Western blotting. No cross activity to other mouse IGFBP5s.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:
WB, IHC

Recommended usage:

WB: 1:500-1000**IHC (Paraffin):** 1:100-200

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!



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Handling/Applications

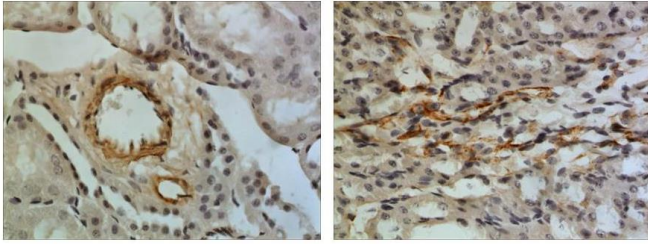


Fig. 1: The Kidney tissue samples from the Folic Acid-induced kidney injury model were fixed using 4% PFA at 4°C for overnight and embedded in paraffin. A 4 µm section was subjected to IHC (1:100-200).
Antigen retrieval: PK (10 µg/ml)