

## Anti-IMP3 IGF2BP3 Monoclonal Antibody

Catalog Number: M02362-1

### About IGF2BP3

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

### Overview

|                      |                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-IMP3 IGF2BP3 Monoclonal Antibody                                                                                                                                    |
| Reactive Species     | Human, Mouse, Rat                                                                                                                                                        |
| Description          | Boster Bio Anti-IMP3 IGF2BP3 Monoclonal Antibody catalog # M02362-1. Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | Flow Cytometry, IP, IF, ICC, WB                                                                                                                                          |
| Clonality            | Monoclonal AEDB-9                                                                                                                                                        |
| Formulation          | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                      |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                               |
| Host                 | Rabbit                                                                                                                                                                   |
| Uniprot ID           | O00425                                                                                                                                                                   |

### Technical Details

|                     |                                                                                                                                                                                                                                                           |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen           | A synthesized peptide derived from human IMP3 RNA-binding protein that act as a regulator of mRNA translation and stability. Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binds to sequences in the 3'-UTR of CD44 mRNA.         |
| Isotype             | Rabbit IgG                                                                                                                                                                                                                                                |
| Form                | Liquid                                                                                                                                                                                                                                                    |
| Concentration       | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.                                                                                                                                                              |
| Purification        | Affinity-chromatography                                                                                                                                                                                                                                   |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.<br>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. |

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

WB 1:500-1:2000

ICC/IF 1:50-1:200

IP 1:50

FC 1:50

## Anti-IMP3 IGF2BP3 Monoclonal Antibody (M02362-1) Images

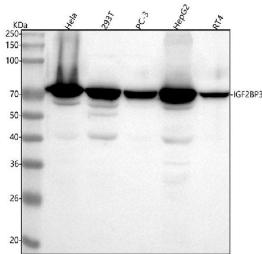


Figure 1. Western blot analysis of IGF2BP3 using anti-IGF2BP3 antibody (M02362-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human PC-3 whole cell lysates,

Lane 4: human HepG2 whole cell lysates,

Lane 5: human RT4 whole cell lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5

hour at RT. The membrane was incubated with rabbit anti-

IGF2BP3 antigen affinity purified monoclonal antibody

(Catalog # M02362-1) at 1:500 overnight at 4°C, then

washed with TBS-0.1%Tween 3 times with 5 minutes each

and probed with a goat anti-rabbit IgG-HRP secondary

antibody at a dilution of 1:5000 for 1.5 hour at RT. The

signal is developed using an Enhanced Chemiluminescent

detection (ECL) kit (Catalog # EK1002) with Tanon 5200

system. A specific band was detected for IGF2BP3 at

approximately 72 kDa. The expected band size for IGF2BP3

is at 64 kDa.

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