

# IGF2BP1/IMP1 Rabbit mAb

Catalog No.: A25715 **Recombinant** **2 Publications**

## Basic Information

### Observed MW

64kDa

### Calculated MW

49kDa/63kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC66817

## Background

This gene encodes a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:6000
<b>IHC-P</b>	1:200 - 1:800
<b>IF/ICC</b>	1:200 - 1:800
<b>IP</b>	0.5µg-4µg antibody for 400µg-600µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

10642

### Swiss Prot

Q9NZI8

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

IMP1; ZBP1; CRDBP; IMP-1; CRD-BP; VICKZ1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

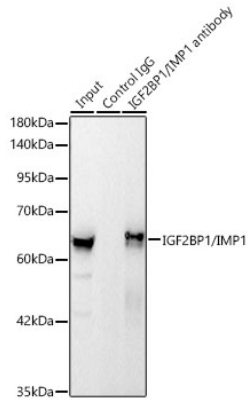
Affinity purification

### Storage

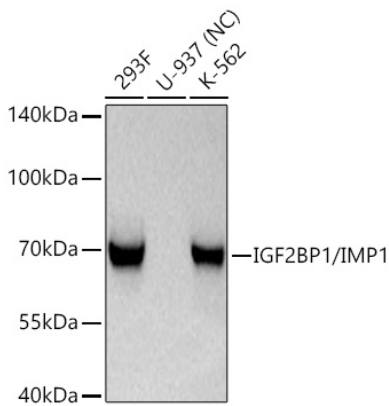
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

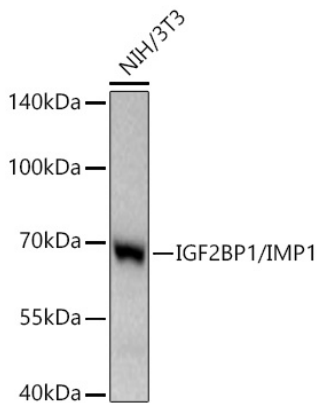
## Validation Data



Immunoprecipitation of IGF2BP1/IMP1 from 500 µg extracts of 293F cells was performed using 2 µg of IGF2BP1/IMP1 Rabbit mAb (A25715). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X non-reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using IGF2BP1/IMP1 Rabbit mAb (A25715) at a dilution of 1:1000.

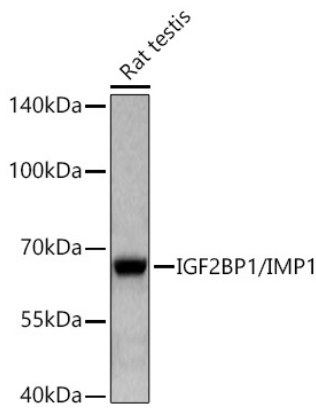


Western blot analysis of various lysates using IGF2BP1/IMP1 Rabbit mAb (A25715) at 1:1000 dilution incubated at room temperature for 1.5 hours.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Negative control (NC): U-937  
Exposure time: 1s.

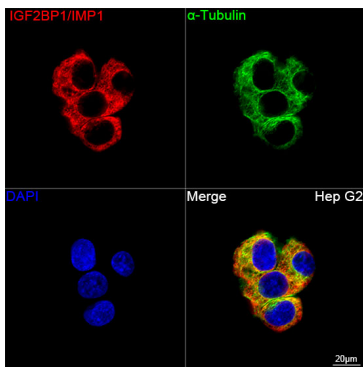


Western blot analysis of lysates from NIH/3T3 cells using IGF2BP1/IMP1 Rabbit mAb (A25715) at 1:1000 dilution incubated at room temperature for 1.5 hours.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.

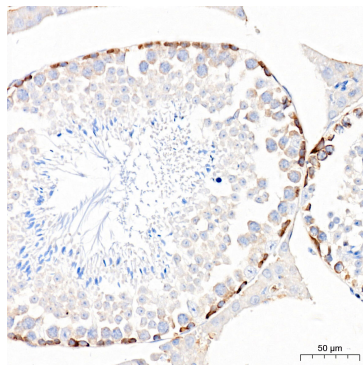
## Validation Data



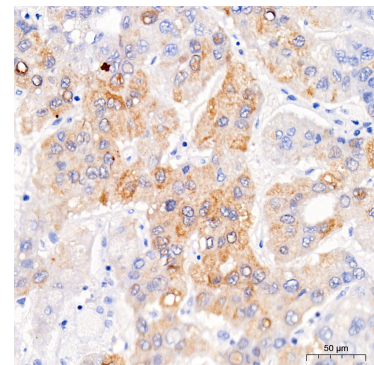
Western blot analysis of lysates from Rat testis using IGF2BP1/IMP1 Rabbit mAb (A25715) at 1:1000 dilution incubated at room temperature for 1.5 hours.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 60s.



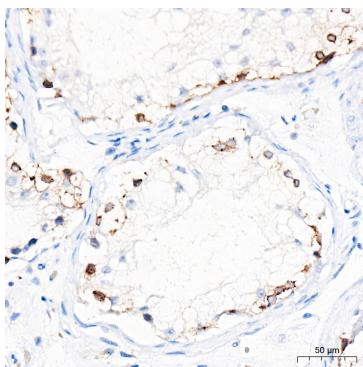
Confocal imaging of Hep G2 cells using IGF2BP1/IMP1 Rabbit mAb (A25715, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



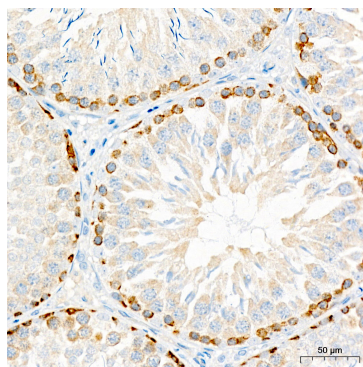
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using IGF2BP1/IMP1 Rabbit mAb (A25715) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human liver cancer tissue using IGF2BP1/IMP1 Rabbit mAb (A25715) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human testis tissue using IGF2BP1/IMP1 Rabbit mAb (A25715) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using IGF2BP1/IMP1 Rabbit mAb (A25715) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.