

Datasheet for ABIN654423

**anti-IGF2BP1 antibody (C-Term)**

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## Overview

Quantity:	400 µL
Target:	IGF2BP1
Binding Specificity:	AA 508-534, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGF2BP1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This IGF2BP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 508-534 amino acids from the C-terminal region of human IGF2BP1.
Clone:	RB21526
Isotype:	Ig Fraction
Predicted Reactivity:	X, Rat, C, Zf
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	IGF2BP1
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## Target Details

Alternative Name:	IGF2BP1 ( <a href="#">IGF2BP1 Products</a> )
Background:	IGF2BP1 is 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.
Molecular Weight:	63481
Gene ID:	10642
NCBI Accession:	<a href="#">NP_001153895</a> , <a href="#">NP_006537</a>
UniProt:	<a href="#">Q9NZI8</a>

## Application Details

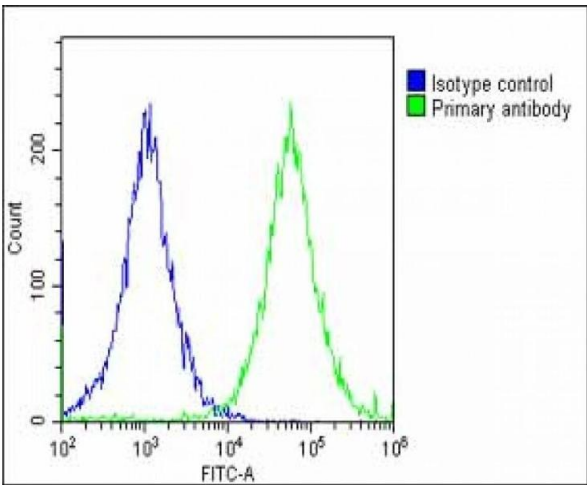
Application Notes:	WB: 1:2000. IHC-P: 1:25. IHC-P: 1:25. FC: 1:25
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

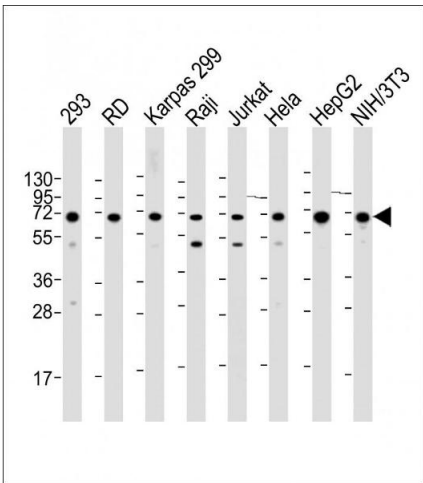
## Publications

Product cited in:	Martins, Eusebio, Correia, Marinho, Casares, Pereira: "TGFβ/Activin signalling is required for ribosome biogenesis and cell growth in Drosophila salivary glands." in: <b>Open biology</b> , Vol. 7, Issue 1, (2017) ( <a href="#">PubMed</a> ).
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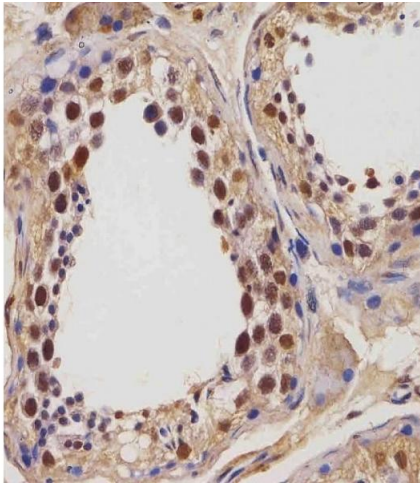
### Flow Cytometry

**Image 1.** Overlay histogram showing HepG2 cells stained with (ABIN654423 and ABIN2844158)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN654423 and ABIN2844158), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OE188374) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.



### Western Blotting

**Image 2.** All lanes : Anti-IGF2BP1 Antibody (C-term) at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: RD whole cell lysate Lane 3: Karpas 299 whole cell lysate Lane 4: Raji whole cell lysate Lane 5: Jurkat whole cell lysate Lane 6: HeLa whole cell lysate Lane 7: HepG2 whole cell lysate Lane 8: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** (ABIN654423 and ABIN2844158) staining IGF2BP1 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0.5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN654423.