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## Datasheet for ABIN390928 anti-IGFBP4 antibody (N-Term)

3 Images



#### Overview

Quantity:	400 µL
Target:	IGFBP4
Binding Specificity:	AA 66-92, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This IGFBP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-92 amino acids from the N-terminal region of human IGFBP4.
Clone:	RB20479
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pig
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

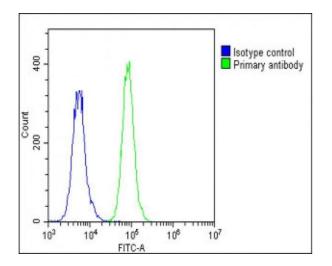
#### Target Details

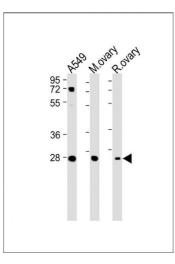
Target:	IGFBP4
Alternative Name:	IGFBP4 (IGFBP4 Products)
Background:	IGFBP4 has an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-

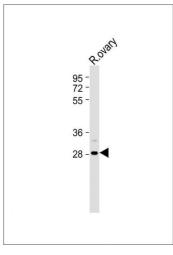
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## Target Details

	like growth factors (IGFs) I and II and circulates in the plasma in both glycosylated and non-
	glycosylated forms. Binding of this protein prolongs the half-life of the IGFs and alters their
	interaction with cell surface receptors.
Molecular Weight:	27934
Gene ID:	3487
NCBI Accession:	NP_001543
UniProt:	P22692
Pathways:	WNT Signaling, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic
	Process
Application Details	
Application Notes:	WB: 1:2000. WB: 1:2000. 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 smal
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months







#### **Flow Cytometry**

**Image 1.** Overlay histogram showing A549 cells stained with (ABIN390928 and ABIN2841130)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN390928 and ABIN2841130), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1  $\mu$  g/1x10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

#### Western Blotting

**Image 2.** All lanes : Anti-IGFBP4 Antibody (N-term) at 1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: Mouse ovary lysate Lane 3: Rat ovary lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### Western Blotting

**Image 3.** Anti-IGFBP4 Antibody (N-term) at 1:2000 dilution + Rat ovary lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 28 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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