

Datasheet for ABIN238551

anti-IGFBP3 antibody (Internal Region)



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1 Image

Overview

Quantity:	100 µg
Target:	IGFBP3
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This IGFBP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	IGFBP3
Immunogen:	Peptide with sequence C-RYKVDYESQSTDTQN, from the internal region of the protein sequence according to NP_001013416.1, NP_000589.2.
Sequence:	RYKVDYESQS TDTQN
Isotype:	IgG
Specificity:	This antibody is expected to recognise both reported isoforms (NP_001013416.1 and NP_000589.2).
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target:	IGFBP3
Alternative Name:	IGFBP3 (IGFBP3 Products)
Background:	IGFBP3, insulin-like growth factor binding protein 3, tcag7.703, BP-53, IBP3, IGF-binding protein 3, acid stable subunit of the 140 K IGF complex , binding protein 29, binding protein 53, growth hormone-dependent binding protein
Gene ID:	3486, 16009, 24484
NCBI Accession:	NP_001013416 , NP_000589
Pathways:	Myometrial Relaxation and Contraction , Regulation of Muscle Cell Differentiation , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Autophagy , Smooth Muscle Cell Migration , Growth Factor Binding

Application Details

Application Notes:	Western Blot: Approx 28 kDa band observed in Human Breast Cancer lysates (calculated MW of 31.7 kDa according to NP_001013416.1 and 32.2 kDa according to NP_000589.2). Recommended concentration: 0.02-0.06 µg/mL. An additional band of 50 kDa was consistently Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.

Handling

Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



Western Blotting

Image 1. ABIN238551 (0.02µg/ml) staining of Human Breast Cancer lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.