Datasheet for ABIN6979786

anti-IGFBP4 antibody (AA 181-254) (AbBy Fluor® 647)

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Overview

Quantity:	100 µL
Target:	IGFBP4
Binding Specificity:	AA 181-254
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGFBP4 antibody is conjugated to AbBy Fluor® 647
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IGFBP4
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	IGFBP4
Alternative Name:	IGFBP4 (IGFBP4 Products)

Target Details

Background:	Synonyms: Insulin-like Growth Factor Binding Protein 4, BP 4, BP4, HT29 IGFBP, IBP 4, IBP4, IGF binding protein 4, IGFBP 4, IBP4_HUMAN. Background: Insulin like growth factor binding protein 4 (IGFBP4) is produced from a DNA sequence encoding the human IGFBP4 protein. Mature human IGFBP4 has a calculated molecular mass of approximately 26 kDa. Due to glycosylation, the recombinant protein migrates as a 32 kDa and 25 kDa protein under reducing and non reducing conditions, respectively. Human IGFBP4 has a potential N-linked glycosylation site and shares approximately 90 % amino acid sequence identity with both mouse and rat IGFBP4. IGFBP4 is a member of the superfamily of insulin-like growth factor (IGF) binding proteins which include six high affinity IGF binding proteins (IGFBP) and at least four low affinity binding proteins referred to as IGFBP related proteins (IGFBPrP). IGFBP4 functions as an inhibitor of IGF action and its main function may be to protect cells from overstimulation by IGFs or to allow activation of alternate transmembrane signaling pathways that are inhibited by IGF exposure. IGFBP4 is expressed in multiple tissues including adrenal, testis, spleen, heart, lung, kidney, liver, stomach, hypothalamus, and brain cortex.
Gene ID:	3487
UniProt:	P22692
Pathways:	WNT Signaling, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months