

Datasheet for ABIN2782316
anti-IGFBP4 antibody (Middle Region)

5 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	IGFBP4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Sheep, Goat, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGFBP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human IGFBP4
Sequence:	RALERLAASQ SRTHEDLYII PIPNCDRNGN FHPKQCHPAL DGQRGKCWCV
Predicted Reactivity:	Cow: 100%, Dog: 100%, Goat: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against IGFBP4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	IGFBP4
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Target Details

Alternative Name:	IGFBP4 (IGFBP4 Products)
Background:	<p>IGFBP4 is a member of the insulin-like growth factor binding protein (IGFBP) family. IGFBP4 is a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-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. This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: BP-4, HT29-IGFBP, IBP4, IGFBP-4</p> <p>Protein Interaction Partner: KDM1A, SUV39H1, Hk3, Hk2, TF, PAPP, IGF2, IGF1, CTSD,</p> <p>Protein Size: 258</p>
Molecular Weight:	28 kDa
Gene ID:	3487
NCBI Accession:	NM_001552 , NP_001543
UniProt:	P22692
Pathways:	WNT Signaling , Myometrial Relaxation and Contraction , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 258 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

sucrose.

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: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

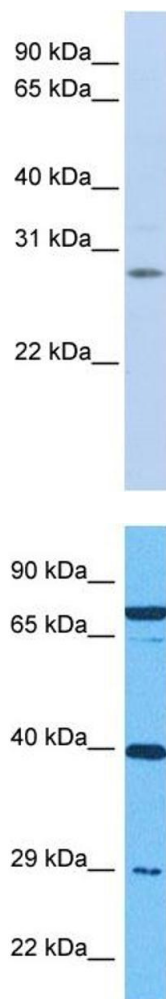
Publications

Product cited in: Wanitchakool, Ousingsawat, Sirianant, Cabrita, Faria, Schreiber, Kunzelmann: "Cellular defects by deletion of ANO10 are due to deregulated local calcium signaling." in: **Cellular signalling**, Vol. 30, pp. 41-49, (2016) ([PubMed](#)).

Schreiber, Kunzelmann: "Expression of anoctamins in retinal pigment epithelium (RPE)." in: **Pflügers Archiv : European journal of physiology**, Vol. 468, Issue 11-12, pp. 1921-1929, (2016) ([PubMed](#)).

Hammer, Wanitchakool, Sirianant, Papiol, Monnheim, Faria, Ousingsawat, Schramek, Schmitt, Margos, Michel, Kraiczy, Pawlita, Schreiber, Schulz, Fingerle, Tumani, Ehrenreich, Kunzelmann: "A Coding Variant of ANO10, Affecting Volume Regulation of Macrophages, Is Associated with Borrelia Seropositivity." in: **Molecular medicine (Cambridge, Mass.)**, Vol. 21, pp. 26-37, (2015) ([PubMed](#)).

Tian, Schreiber, Kunzelmann: "Anoctamins are a family of Ca²⁺-activated Cl⁻ channels." in: **Journal of cell science**, Vol. 125, Issue Pt 21, pp. 4991-8, (2013) ([PubMed](#)).

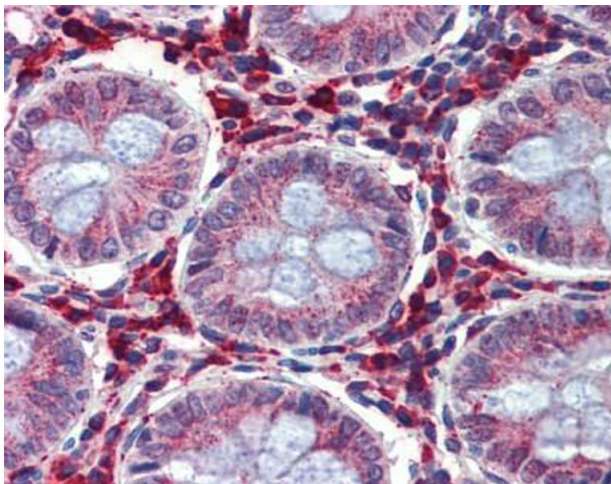


Western Blotting

Image 1. WB Suggested Anti-IGFBP4 Antibody Titration: 1 ug/ml Positive Control: Fetal Brain Lysate

Western Blotting

Image 2. Host: Rabbit Target Name: IGFBP4 Sample Tissue: Human MDA-MB-435s Whole Cell Antibody Dilution: 1 ug/ml



Immunohistochemistry

Image 3.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2782316.