Datasheet for ABIN2785821

anti-INHBA antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	INHBA
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Cow, Pig, Horse, Sheep, Goat, Dog, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INHBA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human INHBA
Sequence:	CPSCALAALP KDVPNSQPEM VEAVKKHILN MLHLKKRPDV TQPVPKAALL
Predicted Reactivity:	Cow: 100%, Dog: 93%, Goat: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against INHBA. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	INHBA
Alternative Name:	INHBA (INHBA Products)

Target Details

Background:	The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. In addition, serum levels of inhibin have been shown to reflect the size of granulosa-cell tumors and can therefore be used as a marker for primary as well as recurrent disease. Because expression in gonadal and various extragonadal tissues may vary severalfold in a tissue-specific fashion, it is proposed that inhibin may be both a growth/differentiation factor and a hormone. Furthermore, the beta A subunit forms a homodimer, activin A, and also joins with a beta B subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion. Finally, it has been shown that the beta A subunit mRNA is identical to the erythroid differentiation factor subunit mRNA and that only one gene for this mRNA exists in the human genome. Alias Symbols: EDF, FRP Protein Interaction Partner: ACVRL1, ACVR2B, ACVR2A, ACVR1, FST, IGSF1, CHRDL2, FSTL3, IGFBP7, ACVR1B, INHBC, TGFBR3, INHBB, INHA, INHBA, ENG, Protein Size: 426
Molecular Weight:	44 kDa
Gene ID:	3624
NCBI Accession:	NM_002192, NP_002183
UniProt:	P08476
Pathways:	Hormone Transport, Peptide Hormone Metabolism, Hormone Activity, Negative Regulation of Hormone Secretion, Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 426 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 % sucrose.

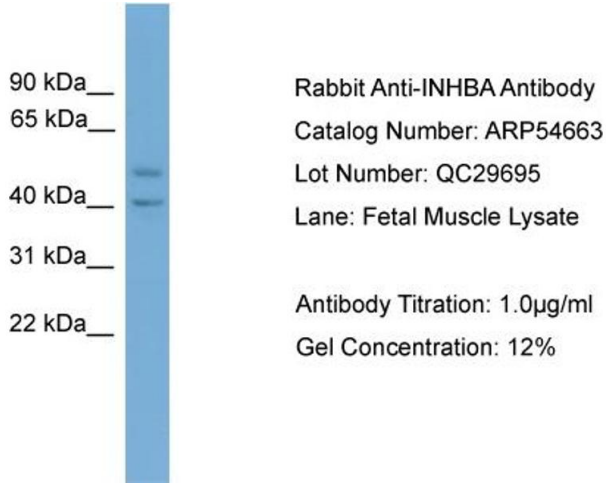
Handling

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:	Ndiaye, Castonguay, Benoit, Silversides, Lussier: "Differential regulation of Janus kinase 3 (JAK3) in bovine preovulatory follicles and identification of JAK3 interacting proteins in granulosa cells." in: **Journal of ovarian research**, Vol. 9, Issue 1, pp. 71, (2016) (PubMed).

Images



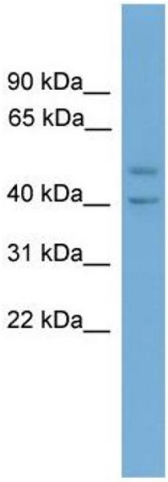
Western Blotting

Image 1. WB Suggested Anti-INHBA

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500

Positive Control: Human Muscle

Images



Western Blotting

Image 2. WB Suggested Anti-INHBA Antibody Titration: 0.2-1 ug/ml

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