

# INHBB Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11131b

## Product Information

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<b>Application</b>	IHC-P, WB, E
<b>Primary Accession</b>	<a href="#">P09529</a>
<b>Other Accession</b>	<a href="#">P17491</a> , <a href="#">P04088</a> , <a href="#">Q04999</a> , <a href="#">P27093</a> , <a href="#">P42917</a> , <a href="#">NP_002184.2</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Predicted</b>	Bovine, Chicken, Pig, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB23814
<b>Calculated MW</b>	45122
<b>Antigen Region</b>	369-397

## Additional Information

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<b>Gene ID</b>	3625
<b>Other Names</b>	Inhibin beta B chain, Activin beta-B chain, INHBB
<b>Target/Specificity</b>	This INHBB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 369-397 amino acids from the C-terminal region of human INHBB.
<b>Dilution</b>	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	INHBB Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	INHBB
<b>Function</b>	Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone

secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins. Inhibin B is a dimer of alpha and beta-B that plays a crucial role in the regulation of the reproductive system by inhibiting the secretion of follicle-stimulating hormone (FSH) from the anterior pituitary gland. Thereby, maintains reproductive homeostasis in both males and females. Acts as a more potent suppressor of FSH release than inhibin A (By similarity). Functions as competitive receptor antagonist binding activin type II receptors with high affinity in the presence of the TGF-beta type III coreceptor/TGFB3L (By similarity).

#### Cellular Location

Secreted.

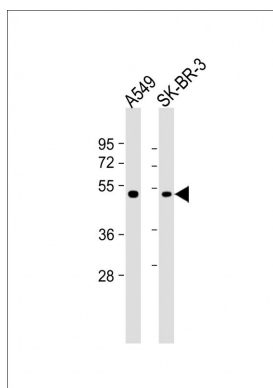
## Background

The inhibin beta B 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 tumour-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 B subunit forms a homodimer, activin B, and also joins with the beta A subunit to form a heterodimer, activin AB, both of which stimulate FSH secretion.

## References

Canzian, F., et al. Hum. Mol. Genet. 19(19):3873-3884(2010)  
Ewens, K.G., et al. J. Clin. Endocrinol. Metab. 95(5):2306-2315(2010)  
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :  
Ahn, J., et al. Hum. Mol. Genet. 18(19):3749-3757(2009)  
Makanji, Y., et al. Endocrinology 150(10):4784-4793(2009)

## Images



All lanes : Anti-INHBB Antibody (C-term) at 1:1000 dilution  
Lane 1: A549 whole cell lysate  
Lane 2: SK-BR-3 whole cell lysate  
Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 45 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.