Datasheet for ABIN952903

anti-INHBB antibody (C-Term)

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Overview

Quantity:	0.4 mL
Target:	INHBB
Binding Specificity:	AA 376-404, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This INHBB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 376-404 amino acids from the C-terminal region of human INHBB
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse INHBB (C-term).
Characteristics:	Purified Ig fraction
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	INHBB

Target Details

Alternative Name:	Inhibin beta B Chain (INHBB) (INHBB Products)
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.Synonyms: Activin B, Activin beta-B chain
Molecular Weight:	45122 Da
Gene ID:	3625
NCBI Accession:	NP_002184
UniProt:	P09529
Pathways:	Peptide Hormone Metabolism, Hormone Activity, Negative Regulation of Hormone Secretion

Application Details

Application Notes:	Suggested dilutions: ELISA: 1/1000. Western Blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide

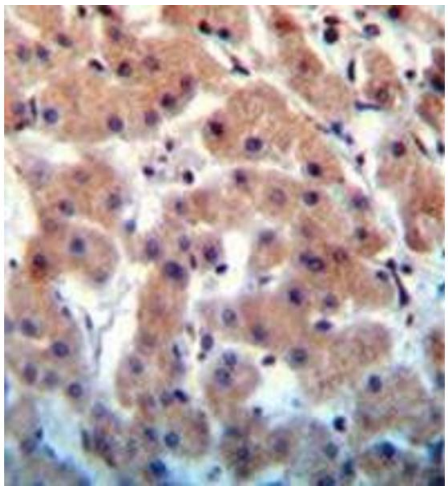
Handling

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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

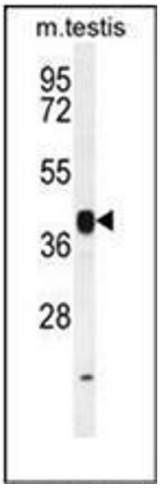
Product cited in:	Zhong, Pons, Poirier, Jiang, Liu, Sandusky, Shahda, Nakeeb, Schmidt, House, Ceppa, Zyromski, Liu, Jiang, Couch, Koniaris, Zimmers: "The systemic activin response to pancreatic cancer: implications for effective cancer cachexia therapy." in: **Journal of cachexia, sarcopenia and muscle**, Vol. 10, Issue 5, pp. 1083-1101, (2020) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue reacted with INHBB Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.



Western Blotting

Image 2. Western blot analysis of INHBB Antibody (C-term) in mouse testis tissue lysates (35ug/lane). This demonstrates the INHBB antibody detected the INHBB protein (arrow).