

Datasheet for ABIN966402
anti-Inhibin alpha antibody



[Go to Product page](#)

4 Publications

Overview

Quantity:	0.1 mg
Target:	Inhibin alpha (INHA)
Reactivity:	Human
Host:	Please inquire
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Isotype:	IgG1
Specificity:	Ni-NTA purified truncated recombinant INHA expressed in E. Coli strain BL21 (DE3)
Purification:	Antibodies are purified by protein A affinity chromatography

Target Details

Target:	Inhibin alpha (INHA)
Alternative Name:	INHA (INHA Products)
Background:	INHA(A-inhibin subunit precursor, inhibin alpha subunit),also called inhibin(alpha) ,which is located on chromosome 2q33-q36. Inhibin is a gonadal protein that preferentially suppresses the secretion of pituitary follicle-stimulating hormone (FSH). Inhibin comprises of two subunits,Inhibin A and B. 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

Target Details

primary as well as recurrent disease. In addition to their role in endocrine feedback in the reproductive system, inhibins subserve local regulatory roles in numerous extragonadal tissues, including brain, adrenal, bone marrow, placenta, and most notably anterior pituitary. Inhibin alpha subunit gene expression is down regulated in human prostate cancer, suggesting a tumor suppressive role.

Gene ID: 3623

Pathways: [Peptide Hormone Metabolism](#), [Hormone Activity](#), [Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: Western Blot: 1: 500- 1: 1,000
IHC(P): 1: 1,000- 1: 2,000
ELISA: Propose dilution 1: 10,000 Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

Handling

Storage: -20 °C

Publications

Product cited in: Knight: "Roles of inhibins, activins, and follistatin in the female reproductive system." in: **Frontiers in neuroendocrinology**, Vol. 17, Issue 4, pp. 476-509, (1997) ([PubMed](#)).

Fahy, Wilson, Beard, Groome, Knight et al.: "Changes in inhibin-A (alpha-beta A dimer) and total alpha inhibin in the peripheral circulation and ovaries of rats after gonadotrophin-induced follicular development and during the normal oestrous ..." in: **The Journal of endocrinology**, Vol. 147, Issue 2, pp. 271-83, (1996) ([PubMed](#)).

Lambert-Messerlian, Crowley, Schneyer: "Extragonadal alpha-inhibin precursor proteins circulate in human male serum." in: **The Journal of clinical endocrinology and metabolism**, Vol. 80, Issue 10, pp. 3043-9, (1995) ([PubMed](#)).

Mayo, Cerelli, Spiess, Rivier, Rosenfeld, Evans, Vale: "Inhibin A-subunit cDNAs from porcine ovary and human placenta." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 83, Issue 16, pp. 5849-53, (1986) ([PubMed](#)).

