



Anti-INHBA (full length) polyclonal antibody (DPAB-DC1720)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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.

Immunogen

INHBA (AAH07858.1, 1 a.a. ~ 426 a.a) full-length recombinant protein with GST tag. The sequence is
MPLLWLRGFLASCWIIVRSSPTPGSEGHSAAPDCPSCALAALPKDVPNSQPEMVEAVKK
HILNMLHLKKRPDVTQVPKAAALLNAIRKLHVGVKVGNGYVEIEDDIGRRAEMNELMEQT
SEIITFAESGTARKTLHFEISKEGSDLSVVERAEVWLFLKVPKANRTRTKVTIRLFQQQK
HPQGSLDTGEEAEVGLKGERSELLSEKVVVDARKSTWHVFPVSSSIQRLLDQGKSSLDV
RIACEQCQESGASLVLLGKKKKKEEGEGKKKGGGEGGAGADEEKEQSHRPFLMLQARQS
EDHPPHRRRRRGLECDGKVNICKKQFFVSFKDIGWNDWIIAPSGYHANYCEGECPSHIAG
TSGSSLSFHSTVINHYMRGHSPFANLKSCCVPTKLRPMSM

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Recombinant protein), ELISA,

Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	INHBA inhibin, beta A [Homo sapiens (human)]
Official Symbol	INHBA
Synonyms	INHBA; inhibin, beta A; EDF; FRP; inhibin beta A chain; Inhibin, beta-1; activin beta-A chain; FSH-releasing protein; erythroid differentiation factor; erythroid differentiation protein; follicle-stimulating hormone-releasing protein; inhibin, beta A (activin A, activin AB alpha polypeptide);
Entrez Gene ID	3624
Protein Refseq	NP_002183
UniProt ID	A4D1W7
Chromosome Location	7p15-p13
Pathway	ALK1 signaling events; Cardiac Progenitor Differentiation; Cytokine-cytokine receptor interaction; Integrated Pancreatic Cancer Pathway
Function	cytokine activity; growth factor activity; hormone activity; identical protein binding