



## 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  
 MPLLWLRGFLASCWIIRSSPTPGSEGHSAAPDCPSCALAALPKDVPNSQPEMVEAVKK  
 HILNMLHLKKRPDVTQPVPKAALLNAIRKLHVGKVGENGYVEIEDDIGRAEMNELMEQT  
 SEIITFAESGTARKTLHFEISKEGSDLSVVERAEVWLFLKVPKANRTRTKVTIRLFQQQK  
 HPQGSLDTGEEAEEVGLKGERSELLLSEKVVDAKSTWHVFPVSSSIQRLLDQGKSSLDV  
 RIACEQCQESGASLVLLGKKKKKEEGEGKKGEGGAGADEEKEQSHRPFLMLQARQS  
 EDHPHRRRRRGLECDGKVNICCKQFFVSKDIGWNDWIIAPSGYHANYCEGECPSHIAG  
 TSGSSLSFHSTVINHYRMRGHSPFANLKSCCVPTKLRPMSM

#### Source/Host

Mouse

#### Species Reactivity

Human

#### Conjugate

Unconjugated

#### Applications

WB (Recombinant protein), ELISA,

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

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">INHBA inhibin, beta A [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	INHBA
<b>Synonyms</b>	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);
<b>Entrez Gene ID</b>	<a href="#">3624</a>
<b>Protein Refseq</b>	<a href="#">NP_002183</a>
<b>UniProt ID</b>	<a href="#">A4D1W7</a>
<b>Chromosome Location</b>	7p15-p13
<b>Pathway</b>	ALK1 signaling events; Cardiac Progenitor Differentiation; Cytokine-cytokine receptor interaction; Integrated Pancreatic Cancer Pathway
<b>Function</b>	cytokine activity; growth factor activity; hormone activity; identical protein binding