

## Product datasheet for **AP52211PU-N**

### Inhibin beta A (INHBA) (N-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western blot:</b> 1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/10 - 1/50. <b>Flow cytometry:</b> 1/10 - 1/50. <b>Immunofluorescence:</b> 1/10 - 1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This INHBA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-112 amino acids from the N-terminal region of human INHBA.
Specificity:	This antibody reacts to INHBA.
Formulation:	PBS State: Aff - Purified State: Liquid purified fraction. Preservative: 0.09% (W/V) sodium azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	47442 Da
Gene Name:	inhibin beta A subunit
Database Link:	<a href="#">Entrez Gene 3624 Human P08476</a>



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**Background:**

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.

**Synonyms:**

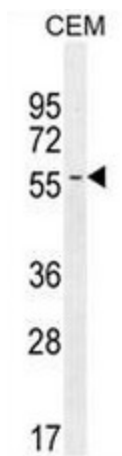
Activin beta-A chain, Erythroid differentiation protein, Activin A, Activin BA

**Protein Families:**

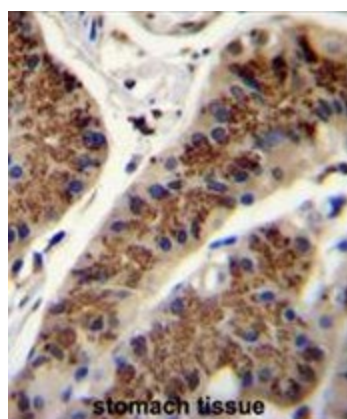
Druggable Genome, Secreted Protein

**Protein Pathways:**

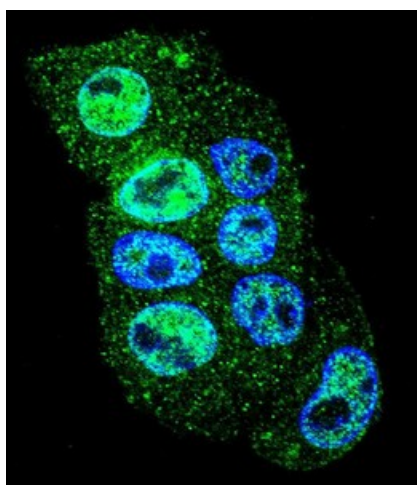
Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

**Product images:**


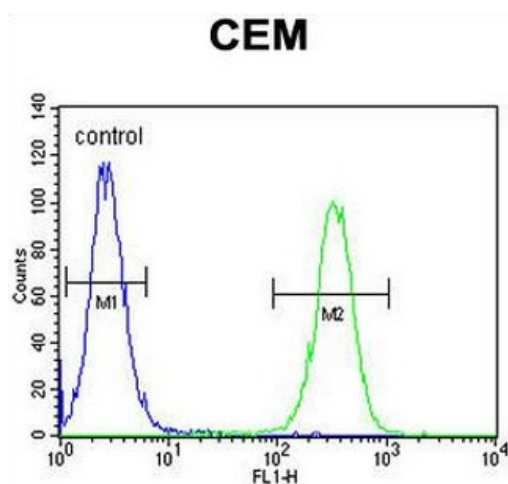
INHBA Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the INHBA antibody detected the INHBA protein (arrow).



INHBA Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of INHBA Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of INHBA Antibody (N-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



INHBA Antibody (N-term) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.