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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:	**ELISA**: 1/1000. **Western blot:** 1/1000. **Immunohistochemistry on paraffin sections:** 1/10 - 1/50. **Flow cytometry:** 1/10 - 1/50. **Immunofluorescence**: 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:	Entrez Gene 3624 Human P08476

View online »

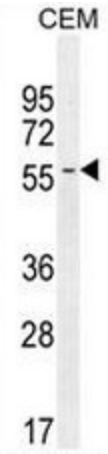
Background: The inhibin beta A subunit joins the alpha subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumor-suppressor activity. In addition, serum levels of inhibin have been shown to reflect the size 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

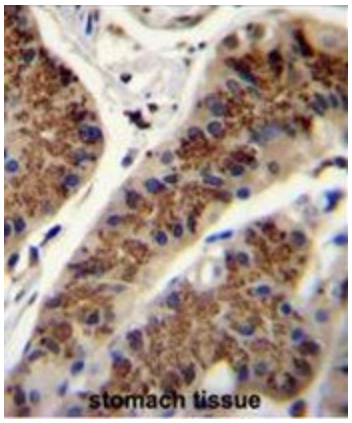
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

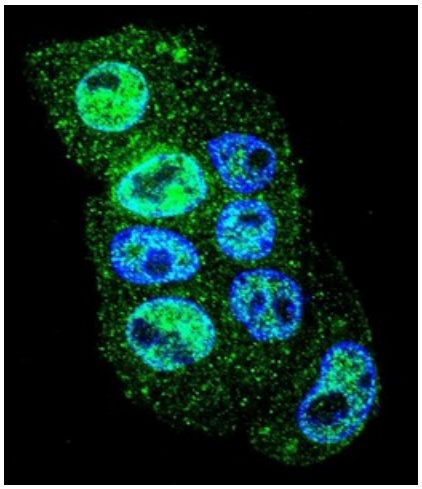
Product images:



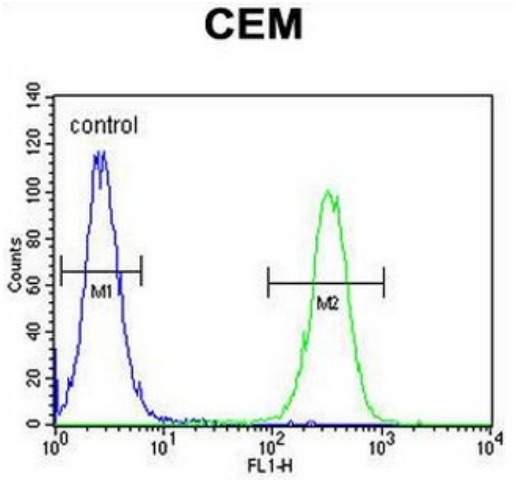
INHBA Antibody (N-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the INHBA antibody detected the INHBA protein (arrow).



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 lgG (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.