SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Inhibin beta A antibody

Catalog Number: SL22620R

FOR RESEARCH USE ONLY

[DATASHEET]

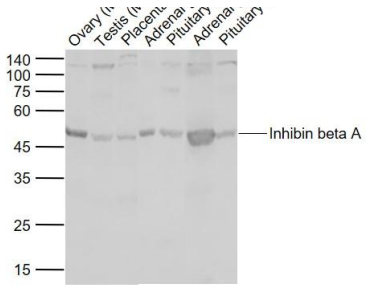
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Inhibin beta A
Immunogen:	KLH conjugated synthetic peptide derived from human Inhibin beta A : 351-426/426
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human)
Predicted MW.:	45kDa
Subcellular Location:	Secretory protein
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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subunit: Dimeric, linked by one or more disulfide bonds. Inhibin A is a dimer of alpha and beta-A. Inhibin B is a dimer of alpha and beta-B. Activin A is a homodimer of beta-A. Activin B is a homodimer of beta-B. Activin AB is a dimer of beta-A and beta-B. Interacts with FST and FSTL3. **Subcellular Location:** Secreted. **Similarity:** Belongs to the TGF-beta family. **Database links:** **Entrez Gene:** 3624 Human **Entrez Gene:** 29200 Rat Omim: 147290 Human **SwissProt:** P08476 Human **SwissProt:** P18331 Rat **Unigene:** 583348 Human **Unigene:** 9874 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Ovary (Mouse) Lysate at 40 ug
Lane 2: Testis (Mouse) Lysate at 40 ug
Lane 3: Placenta (Mouse) Lysate at 40 ug
Lane 4: Adrenal gland (Mouse) Lysate at 40 ug
Lane 5: Pituitary (Mouse) Lysate at 40 ug
Lane 6: Adrenal gland (Rat) Lysate at 40 ug
Lane 7: Pituitary (Rat) Lysate at 40 ug
Primary: Anti-Inhibin beta A (SL22620R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 45 kD
Observed band size: 48 kD

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