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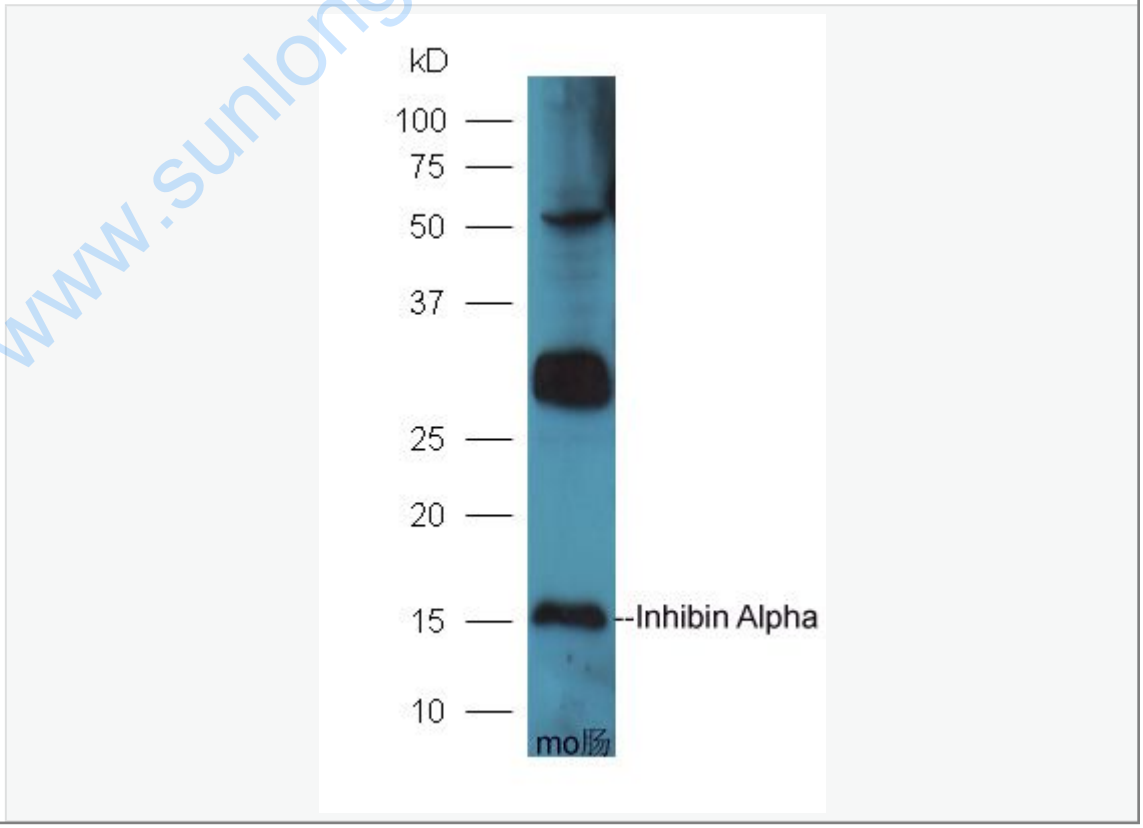
Rabbit Anti-Inhibin Alpha antibody

SL10237R

Product Name:	Inhibin Alpha
Chinese Name:	抑制素α/Inhibin α抗体
Alias:	A inhibin subunit precursor; IHA; INHA; Inhibin alpha chain; Inhibin alpha chain precursor; Inhibin alpha subunit; INHA_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	15kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Inhibin Alpha:281-366/366
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The inhibin alpha subunit joins either the beta A or beta B subunit to form a pituitary FSH secretion inhibitor. Inhibin has been shown to regulate gonadal stromal cell proliferation negatively and to have tumour-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. However, in prostate cancer, expression of the inhibin alpha-subunit gene was suppressed and was not

	detectable in poorly differentiated tumor cells. Furthermore, 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. **Function:** Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins/activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, embryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins. **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. **Subcellular Location:** Secreted. **Tissue Specificity:** Originally found in ovary (granulosa cells) and testis (Sertoli cells), but widely distributed in many tissues including brain and placenta. In adrenal cortex expression is limited to the zona reticularis and the innermost zona fasciculate in the normal gland, extending centripetally into the zona fasciculata in hyperplasia. Also found in adrenocortical tumors. Also expressed in prostate epithelium of benign prostatic hyperplasia, in regions of basal cell hyperplasia and in nonmalignant regions of high grade prostate cancer. Only circulating inhibin B is found in male, whereas circulating inhibins A and B are found in female. **Post-translational modifications:** Proteolytic processing yields a number of bioactive forms. The 20/23 kDa forms consist solely of the mature alpha chain, the 26/29 kDa forms consist of the most N-terminal propeptide linked through a disulfide bond to the mature alpha chain, the 50/53 kDa forms encompass the entire proprotein. Each type can be furthermore either mono- or diglycosylated, causing the mass difference. **Similarity:** Belongs to the TGF-beta family. **SWISS:** Q04997 **Gene ID:** 3623

	Database links: Entrez Gene: 3623Human Entrez Gene: 16322Mouse Entrez Gene: 24504Rat Omim: 147380Human SwissProt: P05111Human SwissProt: Q04997Mouse SwissProt: P17490Rat Unigene: 407506Human Unigene: 1100Mouse Unigene: 8831Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	

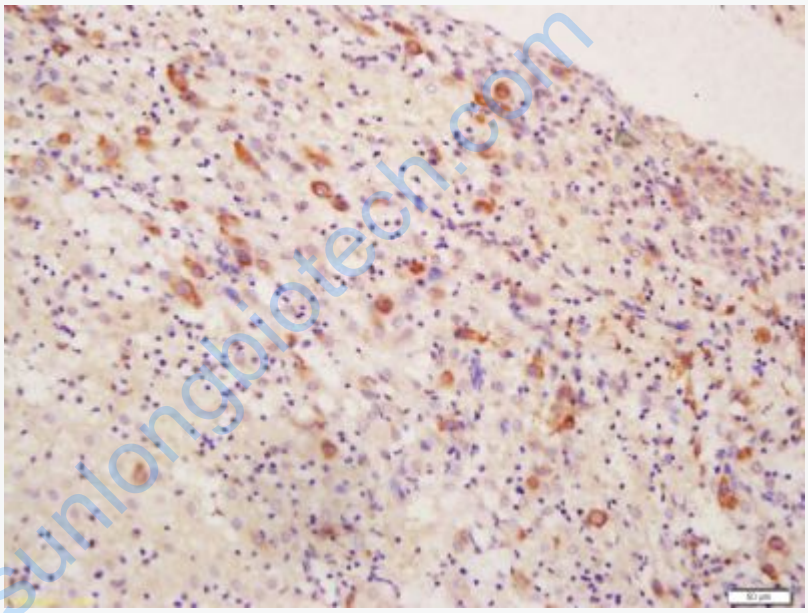
Sample: Intestine (Mouse) Lysate at 40 ug

Primary: Anti-Inhibin Alpha (SL10237R) at 1/300 dilution

Secondary: HRP conjugated Goat-Anti-rabbit IgG (SL10237R) at 1/5000 dilution

Predicted band size: 15 kD

Observed band size: 15 kD

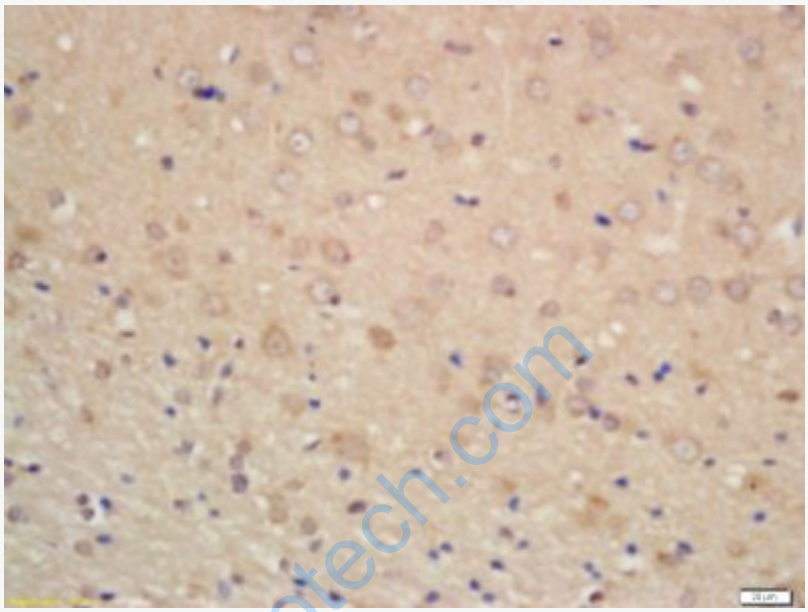


Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

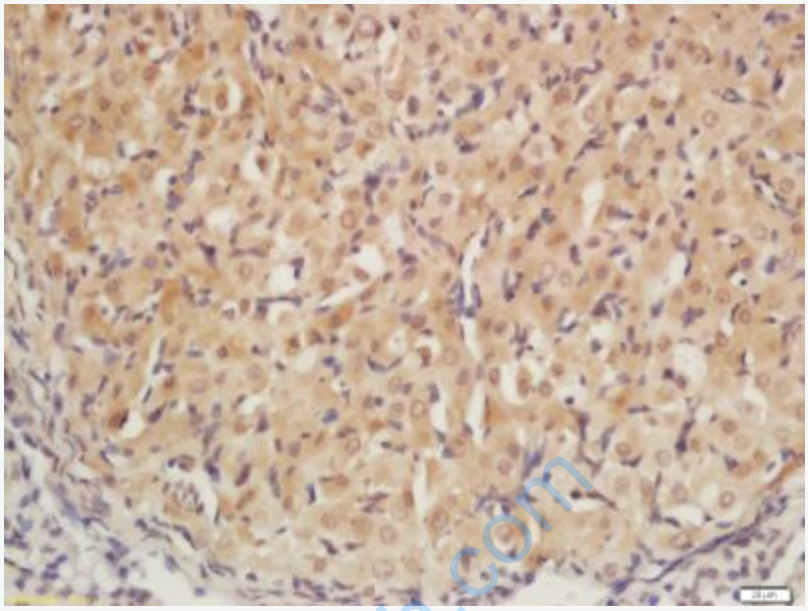
Incubation: Anti-Inhibin Alpha Polyclonal Antibody, Unconjugated(SL10237R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-

0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti- Inhibin Alpha Polyclonal Antibody, Unconjugated(SL10237R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: Rat ovary tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti- Inhibin Alpha Polyclonal Antibody, Unconjugated(SL10237R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining