

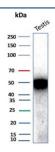
Inhibin alpha Antibody [clone INHA/8872R] (V4954)

Catalog No.	Formulation	Size
V4954-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4954-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4954SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

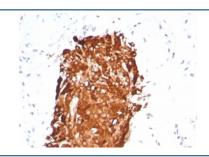
Recombinant RABBIT MONOCLONAL

Bulk quote request

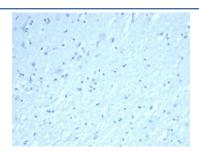
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	INHA/8872R
Purity	Protein A/G affinity
UniProt	P05111
Localization	Nucleus, Cytoplasm (secreted)
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Inhibin alpha antibody is available for research use only.



Western blot testing of human testis tissue lysate with Inhibin alpha antibody. Predicted molecular weight ~40 kDa but may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human testicular carcinoma tissue with INHA antibody (clone INHA/8872R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC testing of FFPE human brain tissue with INHA antibody (clone INHA/8872R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

It recognizes a 47kDa protein, which is identified as alpha sub-unit of Inhibin. It is a gonadal protein that preferentially suppresses the secretion of pituitary follicle-stimulating hormone (FSH). Inhibin comprises two subunits, Inhibin A and Inhibin B. Each subunit consists of the same Alpha subunit, covalently linked to 1 of 2 distinct subunits, beta-Alpha or beta-beta. Originally isolated from ovarian follicular fluid and characterized as a disulphide-linked dimeric glycoprotein, inhibin belongs to the transforming growth factor beta (TFGbeta) superfamily. Antibodies against Inhibin are useful in making a differentiation between adrenal cortical tumors and renal cell carcinoma. Sex cord stromal tumors of the ovary as well as trophoblastic tumors also demonstrate cytoplasmic positivity. Inhibin antibody is also used to make the differential diagnosis of intra-uterine vs. ectopic pregnancy in endometrial curetting.

Application Notes

Optimal dilution of the Inhibin alpha antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human Inhibin alpha protein (within amino acids 233-362) was used as the immunogen for the Inhibin alpha antibody.

Storage

Aliquot the Inhibin alpha antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.