

## 10-7553: Monoclonal Antibody to Inhibin alpha (Clone: ABM44F5)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM44F5
<b>Application :</b>	WB,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	INHA
<b>Gene ID :</b>	3623
<b>Uniprot ID :</b>	P05111
<b>Format :</b>	Purified
<b>Alternative Name :</b>	INHA
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A partial length recombinant Inhibin alpha protein (amino acids 196-366) was used as the immunogen for this antibody.

### Description

Inhibin alpha (INHA) are dimeric glycoproteins that are structurally and functionally related to transforming growth factor-beta and are composed of 1 Alpha-subunit and 1 of 2 beta-subunits (betaA or betaB). Inhibin, first identified as a hormone regulating pituitary FSH secretion, later recognized to act as a tumor suppressor in the gonad and adrenal glands. INHA 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 play important roles in normal gonadal function, including regulation of proliferation, differentiation, and steroidogenesis of Leydig and Sertoli cells via paracrine and autocrine processes.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 0.5-1; Immunohistochemical analysis-5-10  $\mu\text{g/ml}$

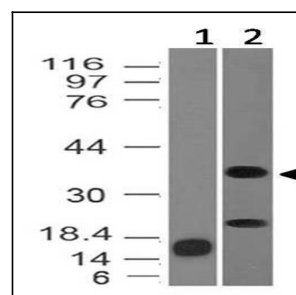


Fig-1: Western blot analysis of Inhibin Alpha. Anti-Inhibin Alpha antibody (Clone: ABM44F5) was tested at 0.5 µg/ml on Recombinant and human Ovary lysates.

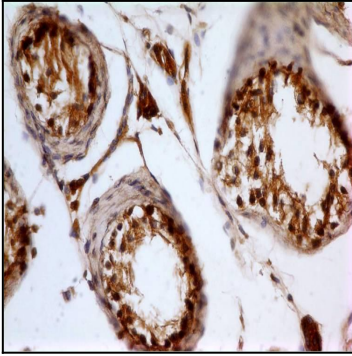


Fig-2: Immunohistochemical analysis of Inhibin Alpha in Human Testis tissue using Inhibin Alpha antibody (Clone: ABM44F5) at 5  $\mu\text{g/ml}$ .