

**KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1062****Specification****KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">P09529</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 45 kDa, observed, 52 kDa kDa
Gene Name	INHBB
Aliases	INHBB; Inhibin Subunit Beta B; Inhibin Beta B Chain; Activin Beta-B Chain; Inhibin, Beta B (Activin AB Beta Polypeptide); Activin AB Beta Polypeptide; Inhibin Beta B Subunit; Inhibin, Beta B; Inhibin, Beta-2
Immunogen	A synthesized peptide derived from human Inhibin beta B

**KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody - Additional Information**

Gene ID	3625
<b>Other Names</b>	
Inhibin beta B chain, Activin beta-B chain, INHBB	

**KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody - Protein Information****Name** INHBB**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. Inhibin B is a dimer of alpha and beta-B that plays a crucial role in the regulation of the reproductive system by inhibiting the secretion of follicle-stimulating hormone (FSH) from the anterior pituitary gland. Thereby, maintains reproductive homeostasis in both males and females. Acts as a more potent suppressor of FSH release than inhibin A (By similarity). Functions as competitive receptor antagonist binding activin type II receptors with high affinity in the presence of the TGF-beta type III coreceptor/TGFB3L (By similarity).

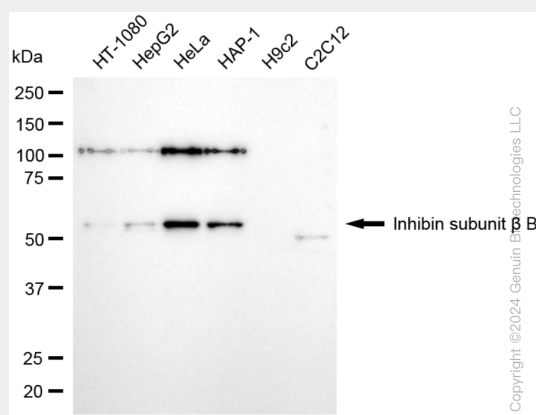
**Cellular Location**  
Secreted.

## KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody - Protocols

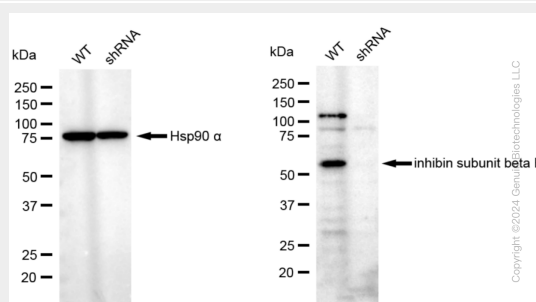
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

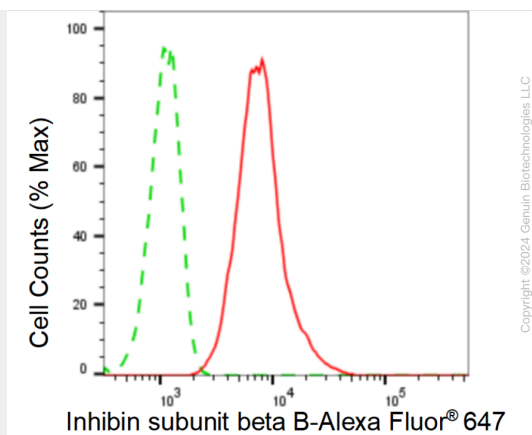
## KD-Validated Anti-Inhibin subunit beta B Rabbit Monoclonal Antibody - Images



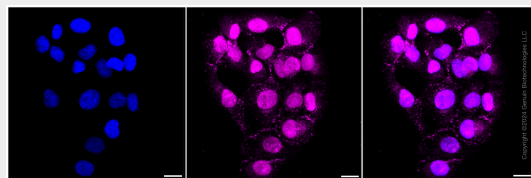
Western blotting analysis using anti-inhibin subunit beta B antibody (Cat#AGI1062). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-inhibin subunit beta B antibody (Cat#AGI1062, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-inhibin subunit beta B antibody (Cat#AGI1062). Inhibin subunit beta B expression in wild-type (WT) and inhibin subunit beta B (INHBB) shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-inhibin subunit beta B antibody (Cat#AGI1062, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of inhibin subunit beta B expression in HT-1080 cells using inhibin subunit beta B antibody (Cat#AGI1062, 1:2,000). Green, isotype control; red, inhibin subunit beta B.



Immunocytochemical staining of HT-1080 cells with anti-inhibin subunit beta B antibody (Cat#AGI1062, 1:1,000). Nuclei were stained blue with DAPI; Inhibin subunit beta B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20  $\mu$ m.