

**Mouse Anti-Inhibin Alpha [R1]: MC0170, MC0170RTU7**

**Intended Use:** For Research Use Only

**Description:** Inhibin is a dimeric glycoprotein hormone from TGF-beta family made up of alpha and beta subunits. It inhibits the production of follicle-stimulating hormone from pituitary while actively stimulates the production of FSH. It is suggested that inhibin may act as a gonadal tumor suppressor.

**Specifications:**

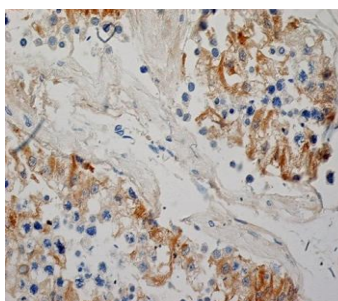
|               |                                                                                          |
|---------------|------------------------------------------------------------------------------------------|
| Clone:        | R1                                                                                       |
| Source:       | Mouse                                                                                    |
| Isotype:      | IgG2a                                                                                    |
| Reactivity:   | Human, bovine, sheep                                                                     |
| Immunogen:    | Synthetic peptide corresponding to N-terminus of the mature region human Inhibin alpha   |
| Localization: | Cytoplasm                                                                                |
| Formulation:  | Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN <sub>3</sub> ) |
| Storage:      | Store at 2°- 8°C                                                                         |
| Applications: | IHC, WB                                                                                  |
| Package:      |                                                                                          |

| Description                | Catalog No. | Size |
|----------------------------|-------------|------|
| Inhibin Alpha Concentrated | MC0170      | 1 ml |
| Inhibin Alpha Prediluted   | MC0170RTU7  | 7 ml |

**IHC Procedure\*:**

|                           |                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------|
| Positive Control Tissue:  | Testis, ovary                                                                       |
| Concentrated Dilution:    | 25-150                                                                              |
| Pretreatment:             | Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C |
| Incubation Time and Temp: | 30-60 min @ RT                                                                      |
| Detection:                | Refer to the detection system manual                                                |

\* Result should be confirmed by an established diagnostic procedure.



FFPE human testis stained with anti-Inhibin Alpha using DAB

**References:**

1. The inhibin/activin signalling pathway in human gonadal and adrenal cancers. Marino, F.E. et al., Mol Hum Reprod. 20 (12): 1223-37, 2014.
2. Estrogen-producing endometrioid adenocarcinoma resembling sex cord-stromal tumor of the ovary: a review of four postmenopausal cases. Katoh, T. et al., Diagn Pathol. 7: 164, 2012.
3. Testicular failure and male infertility in the monogenic Mulibreymanism disorder. 9. Karlberg, S. et al., J Clin Endocrinol Metab. 96 (11): 3399-407, 2011.
4. Pancreatic serous microcystic adenoma with extensive oncocytic change. Akiyama, T. et al., Pathol Int. 59 (2): 102-6, 2009.