

Overview

Useful For

Identification of sex cord-stromal tumors

Testing Algorithm

For the initial technical component only immunohistochemical (IHC) stain performed, the appropriate bill-only test ID will be reflexed and charged (IHTOI). For each additional technical component only IHC stain performed, an additional bill-only test ID will be reflexed and charged (IHTOA).

Reflex Tests

Test Id	Reporting Name	Available Separately	Always Performed
IHTOI	IHC Initial, Tech Only	No	No
IHTOA	IHC Additional, Tech Only	No	No

Method Name

Immunohistochemistry (IHC)

NY State Available

Yes

Specimen

Specimen Type

TECHONLY

Ordering Guidance

This test includes only technical performance of the stain (no pathologist interpretation is performed). If diagnostic consultation by a pathologist is required order PATHC / Pathology Consultation.

Shipping Instructions

Attach the green pathology address label and the pink Immunostain Technical Only label included in the kit to the outside of the transport container.

Specimen Required

Supplies: Immunostain Technical Only Envelope (T693)

Specimen Type: Tissue

Container/Tube: Immunostain Technical Only Envelope

Preferred: 2 Unstained positively charged glass slide (25- x 75- x 1-mm) per test ordered; sections 4-microns thick.

Acceptable: Formalin-fixed, paraffin-embedded (FFPE) tissue block

Digital Image Access

1. Information on accessing digital images of IHC stains and the manual requisition form can be accessed through this website: <https://news.mayocliniclabs.com/ihc-stains/>
2. Clients ordering stains using a manual requisition form will not have access to digital images.
3. Clients wishing to access digital images must place the order for IHC stains electronically. Information regarding digital imaging can be accessed through this website: <https://news.mayocliniclabs.com/ihc-stains/#FAQ>

Forms

[If not ordering electronically, complete, print, and send an Immunohistochemical \(IHC\)/In Situ Hybridization \(ISH\) Stains Request \(T763\).](#)

Reject Due To

Wet/frozen tissue Reject
Cytology smears
Nonformalin fixed tissue
Nonparaffin embedded tissue
Noncharged slides
ProbeOn slides

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
TECHONLY	Ambient (preferred)		
	Refrigerated		

Clinical & Interpretive

Clinical Information

Inhibin is a hormone produced by ovarian granulosa and theca cells, and testicular Sertoli and Leydig cells. Inhibin staining can be useful in the diagnosis of sex cord-stromal tumors.

Interpretation

This test does not include pathologist interpretation, only technical performance of the stain. If interpretation is

required, order PATHC / Pathology Consultation for a full diagnostic evaluation or second opinion of the case.

The positive and negative controls are verified as showing appropriate immunoreactivity and documentation is retained at Mayo Clinic Rochester. If a control tissue is not included on the slide, a scanned image of the relevant quality control tissue is available upon request; call 855-516-8404.

Interpretation of this test should be performed in the context of the patient's clinical history and other diagnostic tests by a qualified pathologist.

Cautions

Age of a cut paraffin section can affect immunoreactivity. Stability thresholds vary widely among published literature and are antigen dependent. Best practice is for paraffin sections to be cut within 6 weeks.

Clinical Reference

1. Kommos F, Oliva E, Bhan AK, Young RH, Scully RE: Inhibin expression in ovarian tumors and tumor-like lesions: An immunohistochemical study. *Mod Pathol.* 1998;11(7):656-664
2. McCluggage WG, Maxwell P, Sloan JM: Immunohistochemical staining of ovarian granulosa cell tumors with monoclonal antibody against inhibin. *Hum Pathol.* 1997;28(9):1034-1038. doi: 10.1016/s0046-8177(97)90056-3
3. Movahedi-Lankarani S, Kurman RJ: Calretinin, a more sensitive but less specific marker than alpha -inhibin for ovarian sex cord-stromal neoplasms: an immunohistochemical study of 215 cases. *Am J Surg Pathol.* 2002;26(11):1477-1483. doi: 10.1097/00000478-200211000-00010
4. Jiang W, Tao X, Fang F, Zhang S, Xu C: Benign and malignant ovarian steroid cell tumors, not otherwise specified: case studies, comparison, and review of the literature. *J Ovarian Res.* 2013 Dec;6(1):1-5. doi: 10.1186/1757-2215-6-534. Jiang W, Tao X, Fang F, Zhang S, Xu C: Benign and malignant ovarian steroid cell tumors, not otherwise specified: case studies, comparison, and review of the literature. *J Ovarian Res.* 2013 Dec;6(1):1-5. doi: 10.1186/1757-2215-6-53

Performance**Method Description**

Immunohistochemistry on sections of paraffin-embedded tissue.(Unpublished Mayo method)

PDF Report

No

Specimen Retention Time

Until staining is complete.

Performing Laboratory Location

Rochester

Fees & Codes**Test Classification**

This test has been cleared, approved, or is exempt by the US Food and Drug Administration and is used per manufacturer's instructions. Performance characteristics were verified by Mayo Clinic in a manner consistent with CLIA requirements.

CPT Code Information

88342-TC, primary

88341-TC, if additional IHC

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
INHIB	Inhibin IHC, Tech Only	Order only;no result

Result ID	Reporting Name	LOINC®
70787	Inhibin IHC, Tech Only	Bill only; no result