Datasheet for ABIN7126472

Recombinant anti-AMH antibody (AA 460-560)

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Overview

Quantity:	100 µg
Target:	AMH
Binding Specificity:	AA 460-560
Reactivity:	Human
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This AMH antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	A synthetic peptide from the C-terminus of human AMH (aa 460-560) (exact sequence is proprietary)
Isotype:	IgG
Specificity:	The transforming growth factor i² (TGFi²) superfamily is composed of numerous growth and differentiation factors, including TGFi²1-3, Mullerian inhibiting substance (MIS), growth/differentiation factor (GDF) 1-9, bone morphogenic protein (BMP) 2-8, glial cell line-derived neurotrophic factor (GDNF), Inhibin i±,i²-A, i²-B and i²-C, Lefty and Nodal. Members of the TGFi² superfamily are involved in embryonic development and adult tissue homeostasis. The MIS glycoprotein is produced by the Sertoli cells of the testes. Fetal testes produce both MIS and testosterone, the presence of which result in male offspring. Absence of MIS and

Product Details

	testosterone in a developing fetus results in the induction of Mullerian duct differentiation, and Wolffian duct development is not induced. Testosterone induces the differentiation of the Wolffian ducts whereas MIS causes regression of the Muellerian duct. MIS inhibits the growth of tumors derived from tissues of Mullerian duct origin. MIS can also inhibit the autophosphorylation of the EGF receptor in vitro. Defects in anti-Muellerian hormone are the cause of persistent Muellerian duct syndrome type I (PMDS-1). PMDS-1 is a form of male pseudo hermaphroditism characterized by a failure of Muellerian duct regression in otherwise normal males.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	AMH
Alternative Name:	AMH (AMH Products)
Background:	Muellerian inhibiting factor (MIF),Anti Mullerian Hormone (AMH) / Mullerian Inhibiting Substance (MIS) Cellular localisation: Secreted
Molecular Weight:	70kDa (reduced), 140kDa (nonreduced)
Gene ID:	268, 112432
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	Known_Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Human ovary or testis.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL

Handling

Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months