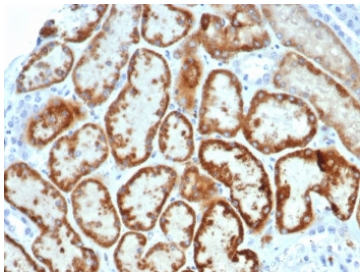
Muellerian Inhibiting Factor Antibody / Anti-Muellerian Hormone [clone AMH/6713R] (V8910)

Catalog No.	Formulation	Size
V8910-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8910-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8910SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

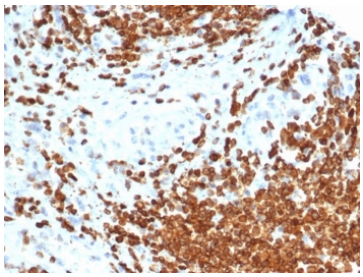
Recombinant RABBIT MONOCLONAL

Bulk quote request

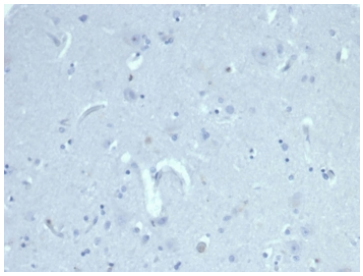
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AMH/6713R
Purity	Protein A/G affinity
UniProt	P03971
Localization	Secreted
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Muellerian Inhibiting Factor antibody is available for research use only.



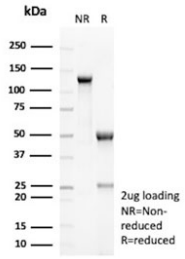
IHC staining of FFPE human kidney tissue with Muellerian Inhibiting Factor antibody (clone AMH/6713R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human bladder carcinoma tissue with Muellerian Inhibiting Factor antibody (clone AMH/6713R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



Negative control: IHC staining of FFPE human cerebral cortex tissue with Muellerian Inhibiting Factor antibody (clone AMH/6713R) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Muellerian Inhibiting Factor antibody (clone AMH/6713R) as confirmation of integrity and purity.

Description

The transforming growth factor superfamily proteins are involved in embryonic development and adult tissue homeostasis. The Muellerian inhibiting factor (MIF), also called Muellerian-inhibiting substance (MIS) and Anti-Muellerian hormone (AMH), glycoprotein is produced by the Sertoli cells of the testes. Fetal testes produce both MIF and testosterone, the presence of which result in male offspring. Absence of MIF and 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 MIF causes regression of the Muellerian duct. MIF inhibits the growth of tumors derived from tissues of Mullerian duct origin. It 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.

Application Notes

Optimal dilution of the Muellerian Inhibiting Factor antibody should be determined by the researcher.

Immunogen

A portion of amino acids 460-560 from the human protein was used as the immunogen for the Muellerian Inhibiting Factor antibody.

Storage

Aliquot the Muellerian Inhibiting Factor antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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