

DATASHEET

Oct-4 Mouse Monoclonal Antibody (ARM539)

CAT. NO. ARM6829

KEY FEATURES

Target	Oct-4	Clone ID	ARM539
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:100-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

Octamer-Binding Transcription Factor 4 (Oct-4), also known as POU5F1 (POU Domain, Class 5, Transcription Factor 1), is a member of the POU homeodomain family of transcription factors and is involved in the maintenance and regulation of pluripotency in embryonic stem and germ cells. Anti-Oct-4 is highly useful and sensitive for seminomas, germinomas, dysgerminomas, embryonal carcinomas, and gonadoblastomas. Oct-4 may be associated with tumourigenesis, and can have an effect on some aspects of tumour behavior, including tumour recurrence or resistance to therapies.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:100-1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG1
Positive Control	Seminoma
Localization	Nuclear
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	POU5F1
Entrez Gene ID	5460
Uniprot	Q01860
Alternative Names	OCT3, POU5F1

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

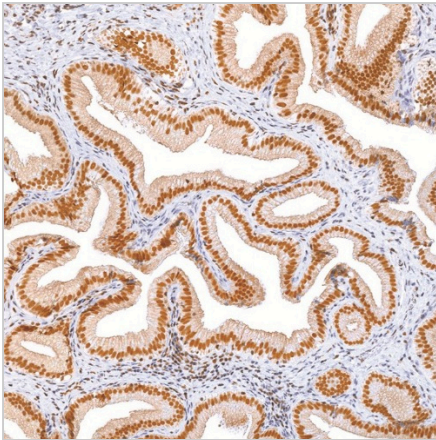
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

DATA

Immunohistochemical staining of human gallbladder tissue using Oct-4 Mouse Monoclonal Antibody (ARM539).

RESEARCH USE ONLY

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / oct-4-mouse-monoclonal-antibody-arm539-arm6829](http://www.arexbio.com/oct-4-mouse-monoclonal-antibody-arm539-arm6829)