ARG63341
anti-FOXC1 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes FOXC1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	FOXC1
Species	Human
Immunogen	RTSGAFVYDCSKF
Conjugation	Un-conjugated
Alternate Names	IRID1; Forkhead box protein C1; FREAC3; IHG1; ARA; IGDA; FREAC-3; Forkhead-related transcription factor 3; RIEG3; FKHL7; Forkhead-related protein FKHL7

Application Instructions

Application table

Application	Dilution
FACS	10 µg/ml
ICC/IF	10 µg/ml
IHC-P	Assay - dependent

Application Note: IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

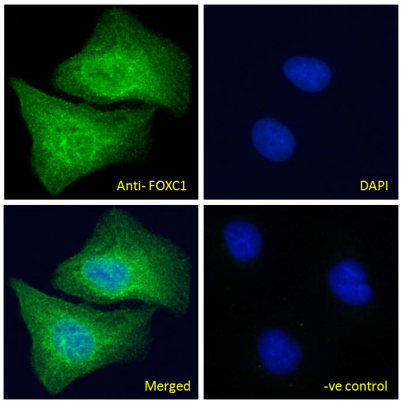
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

	before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

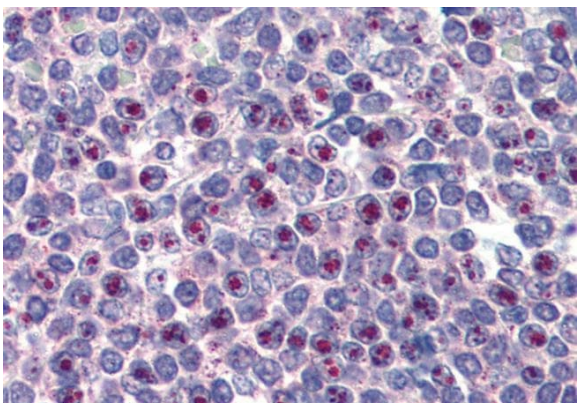
Database links	GeneID: 2296 Human Swiss-port # Q12948 Human
Background	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct DNA-binding forkhead domain. The specific function of this gene has not yet been determined; however, it has been shown to play a role in the regulation of embryonic and ocular development. Mutations in this gene cause various glaucoma phenotypes including primary congenital glaucoma, autosomal dominant iridogoniodysgenesis anomaly, and Axenfeld-Rieger anomaly. [provided by RefSeq, Jul 2008]
Highlight	Related Antibody Duos and Panels: ARG30314 Chondrogenesis Marker Antibody Panel Related products: FOXC1 antibodies; FOXC1 Duos / Panels; Anti-Goat IgG secondary antibodies;
Research Area	Developmental Biology antibody; Gene Regulation antibody; Chondrogenesis Study antibody
Calculated Mw	57 kDa
PTM	Phosphorylated.

Images



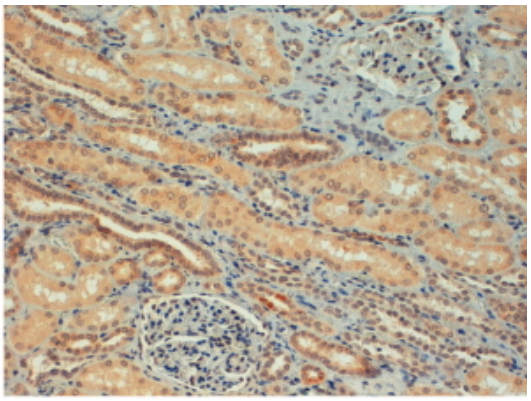
ARG63341 anti-FOXC1 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG63341 anti-FOXC1 antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



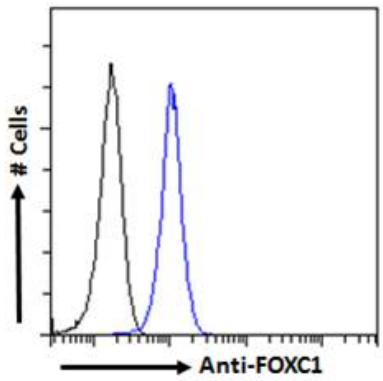
ARG63341 anti-FOXC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63341 anti-FOXC1 antibody at 3.75 µg/ml dilution followed by AP-staining.



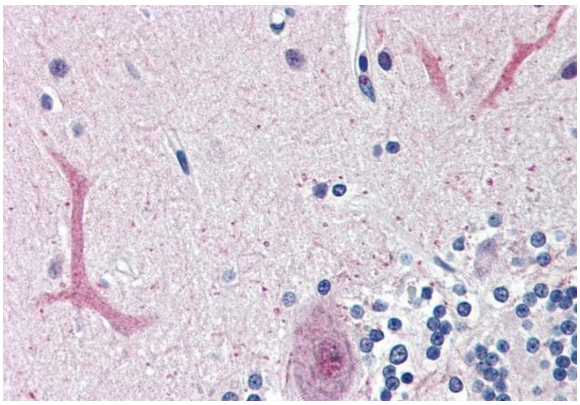
ARG63341 anti-FOXC1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Kidney. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63341 anti-FOXC1 antibody at 4 µg/ml dilution followed by HRP-staining.



ARG63341 anti-FOXC1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed HEK293 cells permeabilized with 0.5% Triton. Cells were stained with ARG63341 anti-FOXC1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).



ARG63341 anti-FOXC1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cerebellum tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63341 anti-FOXC1 antibody at 3.75 µg/ml dilution followed by AP-staining.