

ARG45238 anti-HOXC4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes HOXC4
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	HOXC4
Species	Human
Immunogen	Synthetic peptide corresponding to middle region of human HOXC4.
Conjugation	Un-conjugated
Alternate Names	HOXC4; Homeobox C4; HOX3E; Homeobox Protein Hox-C4; Homeobox Protein Hox-3E; Homeobox Protein CP19; HOX3; Homeo Box C4; Homeo Box 3E; Cp19

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	36 kDa	

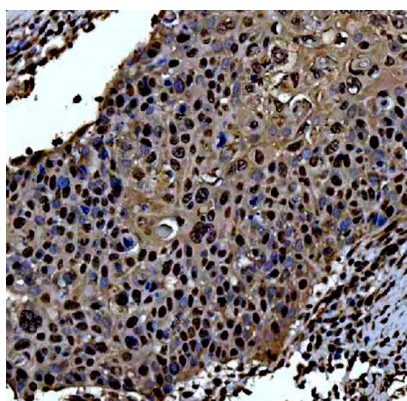
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
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.

Bioinformation

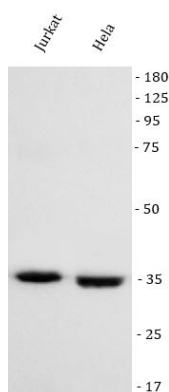
Gene Symbol	HOXC4
Gene Full Name	Homeobox C4
Background	<p>This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, which are located on different chromosomes and consist of 9 to 11 genes arranged in tandem. This gene, HOXC4, is one of several homeobox HOXC genes located in a cluster on chromosome 12. Three genes, HOXC5, HOXC4 and HOXC6, share a 5' non-coding exon. Transcripts may include the shared exon spliced to the gene-specific exons, or they may include only the gene-specific exons. Two alternatively spliced variants that encode the same protein have been described for HOXC4. Transcript variant one includes the shared exon, and transcript variant two includes only gene-specific exons. [provided by RefSeq, Jul 2008]</p>
Function	<p>Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis.. [UniProt]</p>
Calculated Mw	30 kDa
Cellular Localization	Nucleus. [UniProt]

Images



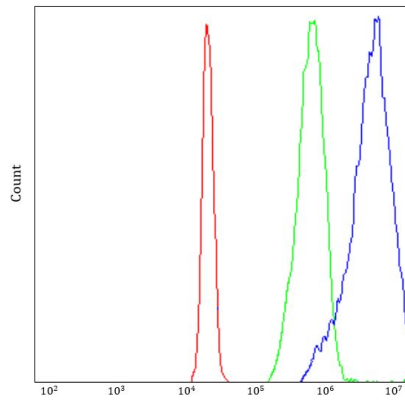
ARG45238 anti-HOXC4 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG45238 anti-HOXC4 antibody at 2 µg/ml dilution.



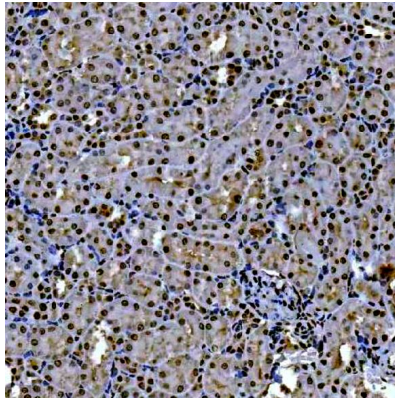
ARG45238 anti-HOXC4 antibody WB image

Western blot: Jurkat and HeLa stained with ARG45238 anti-HOXC4 antibody at 0.5 µg/ml dilution.



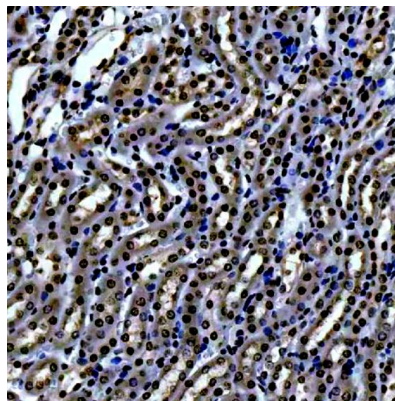
ARG45238 anti-HOXC4 antibody FACS image

Flow Cytometry: A431 stained with ARG45238 anti-HOXC4 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.



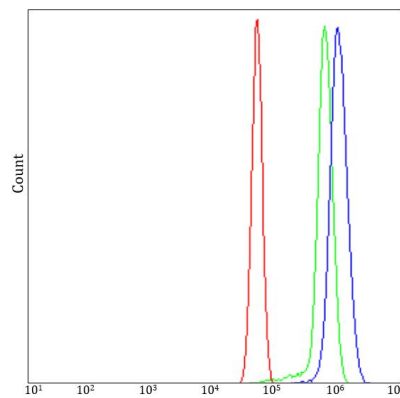
ARG45238 anti-HOXC4 antibody IHC-P image

Immunohistochemistry: Rat kidney stained with ARG45238 anti-HOXC4 antibody at $2\text{ }\mu\text{g}/\text{ml}$ dilution.



ARG45238 anti-HOXC4 antibody IHC-P image

Immunohistochemistry: Mouse kidney stained with ARG45238 anti-HOXC4 antibody at $2\text{ }\mu\text{g}/\text{ml}$ dilution.



ARG45238 anti-HOXC4 antibody FACS image

Flow Cytometry: RH35 stained with ARG45238 anti-HOXC4 antibody at $1\text{ }\mu\text{g}/10^6$ cells dilution.