

ARG65207 anti-HOXD13 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HOXD13
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow
Tested Application	ICC/IF, IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HOXD13
Species	Human
Immunogen	C-KSSFPGDVALNQPD
Conjugation	Un-conjugated
Alternate Names	BDE; HOX4I; Homeobox protein Hox-4I; Homeobox protein Hox-D13; SPD; BDSD

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
	IHC-P	1 - 2 µg/ml
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.

Bioinformation

Database links

[GeneID: 3239 Human](#)

[Swiss-port # P35453 Human](#)

Background

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, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. Mutations in this particular gene cause synpolydactyly. [provided by RefSeq, Jul 2008]

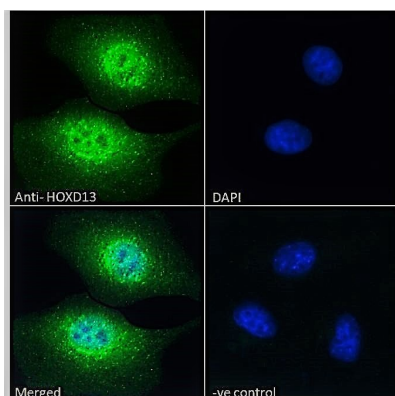
Research Area

Gene Regulation antibody

Calculated Mw

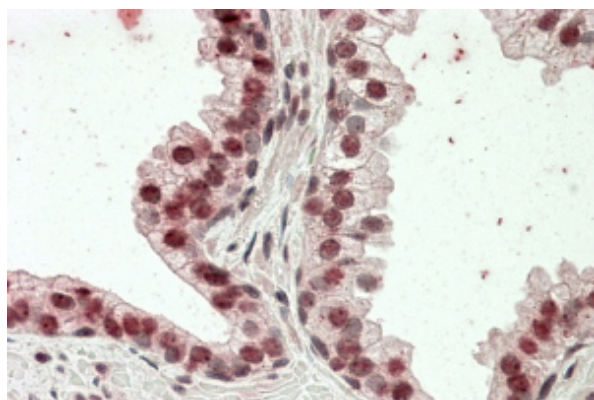
36 kDa

Images



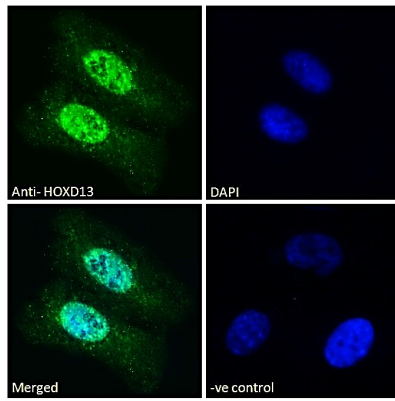
ARG65207 anti-HOXD13 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed HEK293 cells permeabilized with 0.15% Triton. Cells were stained with ARG65207 anti-HOXD13 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.



ARG65207 anti-HOXD13 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Prostate. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG65207 anti-HOXD13 antibody at 3.8 µg/ml dilution followed by AP-staining.



ARG65207 anti-HOXD13 antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U2OS cells permeabilized with 0.15% Triton. Cells were stained with ARG65207 anti-HOXD13 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.