

Product datasheet

Anti-HOXA4 antibody ab131049

[2 References](#) [3 Images](#)

Overview

Product name	Anti-HOXA4 antibody
Description	Rabbit polyclonal to HOXA4
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Rat, Human
Immunogen	Synthetic peptide corresponding to Human HOXA4 aa 9-26 (C terminal). Sequence: NSNYIEPKFPPFEEYAQH Database link: Q00056 Run BLAST with Run BLAST with
Positive control	WB: SW620 and PC12 cell lysates. ICC/IF: HeLa cells IHC-P: Human Mammary Cancer Tissue
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	Preservatives: 0.025% Sodium azide, 0.025% Thimerosal (merthiolate) Constituents: 2.5% BSA, 0.45% Sodium chloride, 0.1% Dibasic monohydrogen sodium phosphate
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

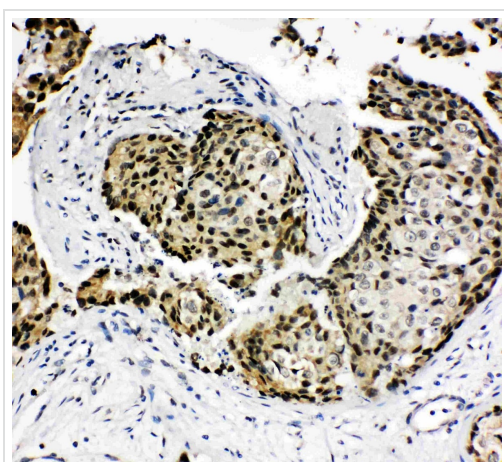
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab131049 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.1 - 0.5 µg/ml. Predicted molecular weight: 34 kDa.
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 0.5 - 1 µg/ml.

Target

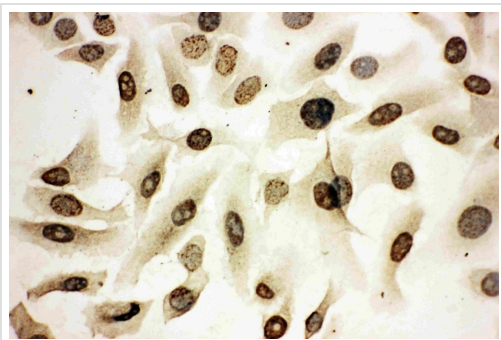
Function	Sequence-specific transcription factor which is part of a developmental regulatory system that provides cells with specific positional identities on the anterior-posterior axis. Binds to sites in the 5'-flanking sequence of its coding region with various affinities. The consensus sequences of the high and low affinity binding sites are 5'-TAATGA[CG]-3' and 5'-CTAATTTT-3'.
Tissue specificity	Embryonic nervous system.
Sequence similarities	Belongs to the Antp homeobox family. Deformed subfamily. Contains 1 homeobox DNA-binding domain.
Cellular localization	Nucleus.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of Human Mammary Cancer Tissue using ab131049 at 1 µg/ml.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HOXA4 antibody (ab131049)



Immunocytochemistry of HeLa cells using ab131049 at 1 µg/ml.

Immunocytochemistry/ Immunofluorescence - Anti-HOXA4 antibody (ab131049)



Western blot - Anti-HOXA4 antibody (ab131049)

All lanes : Anti-HOXA4 antibody (ab131049) at 0.5 µg/ml

Lanes 1-2 : SW620 cells

Lane 3 : PC-12 cells

Predicted band size: 34 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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