

HOXD8 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55215

Specification

HOXD8 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession P13378

Reactivity Rat, Pig, Bovine Rabbit

Clonality Polyclonal Calculated MW 32 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human HOXD8

Epitope Specificity 151-250/290

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Nucleus

SIMILARITY

Belongs to the Antp homeobox family.

Contains 1 homeobox DNA-binding domain.

Important Note

This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The Hox proteins are a family of transcription factors that play a role in development and cellular differentiation by regulating downstream target genes. Specifically, the Hox proteins direct DNA-protein and protein-protein interactions that assist in determining the morphologic features associated with the anterior-posterior body axis. Hox proteins are involved in controlling axial patterning, leukemias and hereditary malformations. HoxD8 (homeobox D8), also known as HOX4E, is a 290 amino acid protein that localizes to the nucleus and contains one homeobox DNA-binding domain. One of several members of the homeobox superfamily, HoxD8 functions as a sequence-specific transcription factor that is important for the correct positioning of developing limb buds on the anterior-posterior axis.

HOXD8 Polyclonal Antibody - Additional Information

Gene ID 3234

Other Names

Homeobox protein Hox-D8, Homeobox protein Hox-4E, Homeobox protein Hox-5.4, HOXD8, HOX4E

Dilution

WB \sim 1:1000/span>
class ="dilution IHC-P">IHC-P \sim N/A/span>
class



="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

HOXD8 Polyclonal Antibody - Protein Information

Name HOXD8

Synonyms HOX4E

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.

Cellular Location

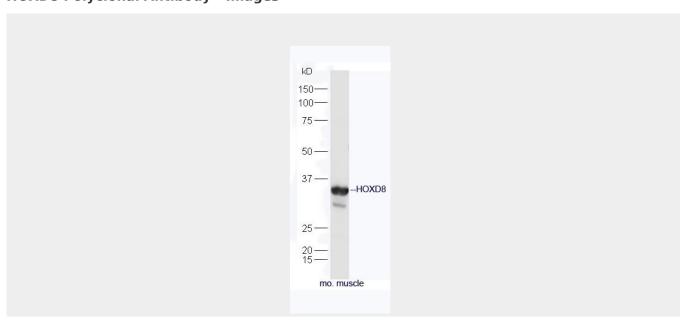
Nucleus.

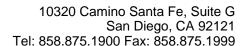
HOXD8 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HOXD8 Polyclonal Antibody - Images





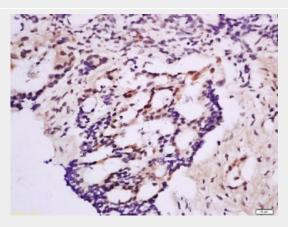


Protein: muscle(mouse) lysate at 40ug;

Primary: rabbit Anti-HOXD8 (bs-13600R) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000;

Predicted band size: 32 kD Observed band size: 34 kD



Tissue/cell: Human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-HOXC8 Polyclonal Antibody, Unconjugated(bs-13600R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining