

# **HOXD8** Rabbit pAb

**HOXD8** Rabbit pAb Catalog # AP55215

#### **Product Information**

**Application** WB, IHC-P, IHC-F, IF

**Primary Accession** P13378

Reactivity Pig, Human, Horse

Host Rabbit Clonality Polyclonal **Calculated MW** 31911 **Physical State** Liquid

**Immunogen** KLH conjugated synthetic peptide derived from human HOXD8

151-250/290 **Epitope Specificity** 

Isotype IgG

affinity purified by Protein A **Purity** 

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION

**SIMILARITY** 

Belongs to the Antp homeobox family. Contains 1 homeobox DNA-binding

domain.

This product as supplied is intended for research use only, not for use in **Important Note** 

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.

#### **Additional Information**

Gene ID 3234

**Other Names** Homeobox protein Hox-D8, Homeobox protein Hox-4E, Homeobox protein

Hox-5.4, HOXD8, HOX4E

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 Dilution

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When Storage

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.

#### **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

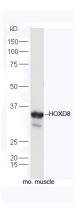
anterior-posterior axis.

Cellular Location Nucleus.

## **Background**

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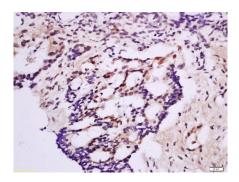
### **Images**



Protein: muscle(mouse) lysate at 40ug; Primary: rabbit Anti-HOXD8 (AP55215) at 1:300;

Secondary: HRP conjugated Goat-Anti-rabbit

IgG(AP55215-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(AP55215) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.