

HoxD12 Polyclonal Antibody

Catalog No: YT2220

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: HoxD12

Gene Name: HOXD12

Protein Name: Homeobox protein Hox-D12

P35452

P23812

Human Gene Id: 3238

Human Swiss Prot

No:

Mouse Gene ld: 15432

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

HOXD12. AA range:191-240

Specificity: HoxD12 Polyclonal Antibody detects endogenous levels of HoxD12 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 28kD

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. The exact role of this gene has not been determined. [provided by RefSeq, Jul 2008],

Function: 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., similarity: Belongs to the Abd-B homeobox

family., similarity: Contains 1 homeobox DNA-binding domain.,

Subcellular Location:

Nucleus.

PCR rescued clones, **Expression:**

orthogonal Tag:

Sort: 7751

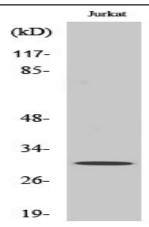
No4:

Host: Rabbit

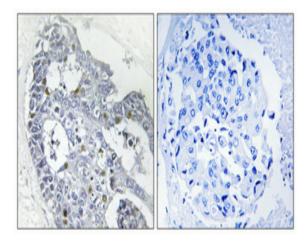
Modifications: Unmodified

Products Images

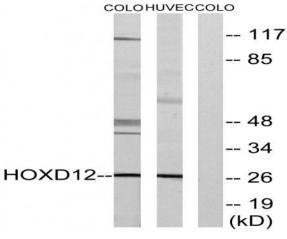
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Western Blot analysis of various cells using HoxD12 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). Highpressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was preabsorbed by immunogen peptide.



Western blot analysis of lysates from COLO205 and HucEc cells, treated with serum 20% 15', using HOXD12 Antibody. The lane on the right is blocked with the synthesized peptide.