



HoxD12 Monoclonal Antibody

Catalog No	YP-mAb-15770
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	HOXD12
Protein Name	Homeobox protein Hox-D12
Immunogen	The antiserum was produced against synthesized peptide derived from human HOXD12. AA range:191-240
Specificity	HoxD12 Monoclonal Antibody detects endogenous levels of HoxD12 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HOXD12; HOX4H; Homeobox protein Hox-D12; Homeobox protein Hox-4H
Observed Band	28kD
Cell Pathway	Nucleus.
Tissue Specificity	PCR rescued clones,
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.,
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],



matters needing attention

Avoid repeated freezing and thawing!

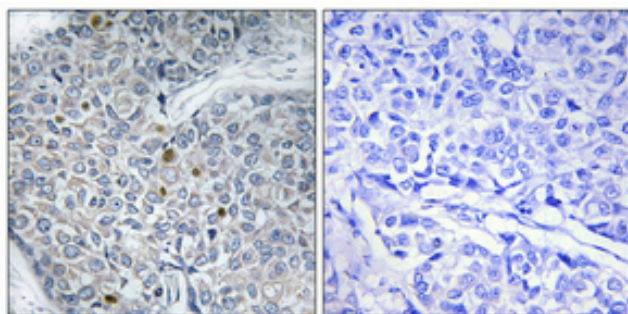
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

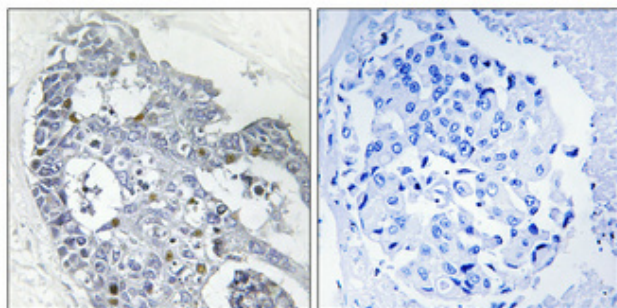
Products Images



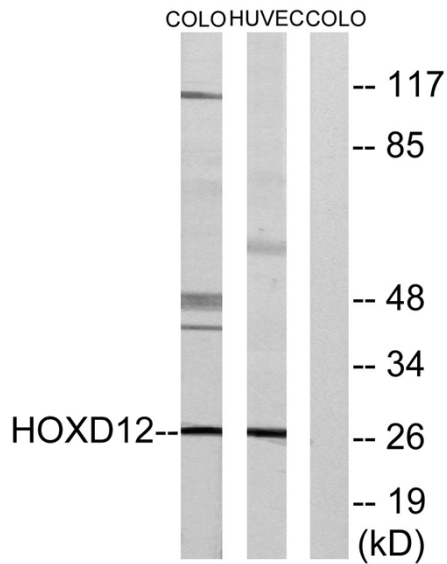
Western Blot analysis of various cells using HoxD12 Monoclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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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.