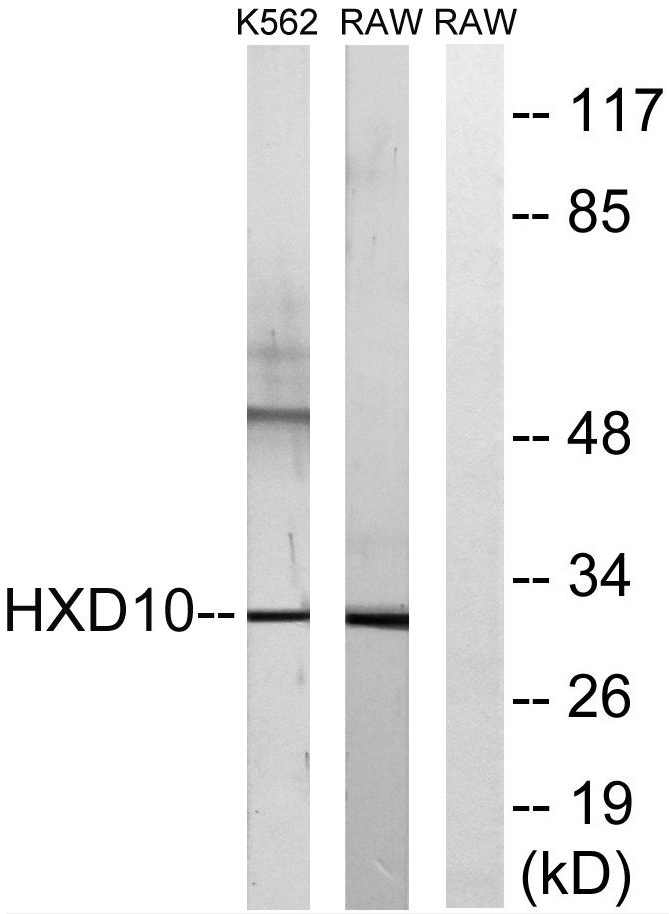
HoxD10 Monoclonal Antibody

Catalog No	BYmab-15769
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	HOXD10
Protein Name	Homeobox protein Hox-D10
Immunogen	The antiserum was produced against synthesized peptide derived from human HOXD10. AA range:291-340
Specificity	HoxD10 Monoclonal Antibody detects endogenous levels of HoxD10 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HOXD10; HOX4D; HOX4E; Homeobox protein Hox-D10; Homeobox protein Hox-4D; Homeobox protein Hox-4E
Observed Band	32kD
Cell Pathway	Nucleus.
Tissue Specificity	Strongly expressed in the adult male and female urogenital tracts.
Function	developmental stage:Expressed in the developing limb buds.,disease:Defects in HOXD10 are a cause of congenital vertical talus (CVT) [MIM:192950]; also known as "rocker-bottom foot" deformity or congenital convex pes valgus. CVT is a dislocation of the talonavicular joint, with rigid dorsal dislocation of the navicular over the neck of the talus. This condition is usually associated with multiple other congenital deformities and only rarely is an isolated deformity.,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.,tissue

	specificity:Strongly expressed in the adult male and female urogenital tracts.,
Background	This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox D genes located on chromosome 2. The encoded nuclear protein functions as a sequence-specific transcription factor that is expressed in the developing limb buds and is involved in differentiation and limb development. Mutations in this gene have been associated with Wilm's tumor and congenital vertical talus (also known as "rocker-bottom foot" deformity or congenital convex pes valgus) and/or a foot deformity resembling that seen in Charcot-Marie-Tooth disease. [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 HoxD10 Monoclonal Antibody