

Product Name: Six1 Rabbit Polyclonal Antibody
Catalog #: APRab17921



Summary

Production Name	Six1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	SIX1
Alternative Names	SIX1; Homeobox protein SIX1; Sine oculis homeobox homolog 1
Gene ID	6495.0
SwissProt ID	Q15475.The antiserum was produced against synthesized peptide derived from human SIX1. AA range:111-160

Application

Dilution Ratio	WB 1:500-2000;ELISA 2000-20000
Molecular Weight	33kD

Background

The protein encoded by this gene is a homeobox protein that is similar to the *Drosophila* 'sine oculis' gene

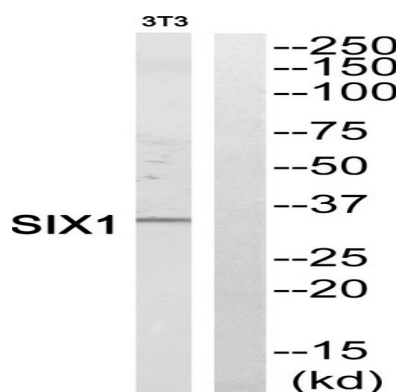
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product. This gene is found in a cluster of related genes on chromosome 14 and is thought to be involved in limb development. Defects in this gene are a cause of autosomal dominant deafness type 23 (DFNA23) and branchiootic syndrome type 3 (BOS3). [provided by RefSeq, Jul 2008],disease:Defects in SIX1 are the cause of autosomal dominant deafness type 23 (DFNA23) [MIM:605192],disease:Defects in SIX1 are the cause of branchiootic syndrome type 3 (BOS3) [MIM:608389]. Urinary tract malformations constitute the most frequent cause of chronic renal failure in the first two decades of life. Branchio-oto-renal syndrome (BOR) is an autosomal dominant developmental disorder of kidney and urinary tract malformations with hearing loss. The major feature of BOR is hearing loss (93% of patients), which can be conductive, sensorineural, or both and varies in age of onset.,function:May be involved in limb tendon and ligament development.,similarity:Belongs to the SIX/Sine oculis homeobox family.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Specifically expressed in skeletal muscle.,

Research Area

Image Data



Western blot analysis of SIX1 Antibody. The lane on the right is blocked with the SIX1 peptide.

Note

For research use only.