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LHX4 Antibody(Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19528c

Product Information

Application	WB, E
Primary Accession	Q969G2
Other Accession	P53776, NP_203129.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30670
Calculated MW	43124
Antigen Region	133-161

Additional Information

Gene ID	89884
Other Names	LIM/homeobox protein Lhx4, LIM homeobox protein 4, LHX4
Target/Specificity	This LHX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 133-161 amino acids from the Central region of human LHX4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LHX4 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LHX4
Function	May play a critical role in the development of respiratory control mechanisms and in the normal growth and maturation of the lung. Binds preferentially to methylated DNA (PubMed:28473536).

Cellular Location Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

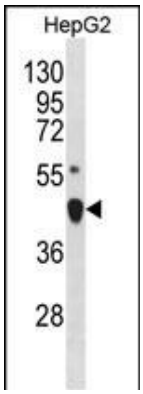
Background

This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in control of differentiation and development of the pituitary gland. Mutations in this gene are associated with syndromic short stature and pituitary and hindbrain defects. An alternative splice variant has been described but its biological nature has not been determined.

References

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Pfaeffle, R.W., et al. J. Clin. Endocrinol. Metab. 93(3):1062-1071(2008)
Liu, S., et al. Biochem. Biophys. Res. Commun. 366(1):36-41(2008)
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Images



LHX4 Antibody (Center) (Cat. #AP19528c) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the LHX4 antibody detected the LHX4 protein (arrow).

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