10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

POF1B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13828c

Product Information

Application	WB, E
Primary Accession	Q8WVV4
Other Accession	NP_079197.3
Reactivity	Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33064
Calculated MW	68065
Antigen Region	337-366

Additional Information

Gene ID	79983
Other Names	Protein POF1B, Premature ovarian failure protein 1B, POF1B
Target/Specificity	This POF1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-366 amino acids from the Central region of human POF1B.
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	POF1B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	POF1B
Function	Plays a key role in the organization of epithelial monolayers by regulating the actin cytoskeleton. May be involved in ovary development.

Cellular Location Cell junction, tight junction

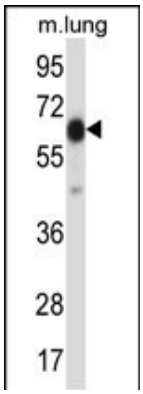
Background

Premature ovarian failure (POF) is characterized by primary or secondary amenorrhea in women less than 40 years old. Two POF susceptibility regions called 'POF1' and 'POF2' have been identified by breakpoint mapping of X-autosome translocations. POF1 extends from Xq21-qter while POF2 extends from Xq13.3 to Xq21.1. This gene, POF1B, resides in the POF2 region. This gene is expressed at trace levels in mouse prenatal ovary and is barely detectable or absent from adult ovary, in human and in the mouse respectively. This gene's expression is restricted to epithelia with its highest expression in the epidermis, and oro-pharyngeal and gastro-intestinal tracts. The protein encoded by this gene binds non-muscle actin filaments. The role this gene may play in the etiology of premature ovarian failure remains to be determined.

References

Rizzolio, F., et al. Gene Expr. Patterns 7(4):529-534(2007)
Lacombe, A., et al. Am. J. Hum. Genet. 79(1):113-119(2006)
Bione, S., et al. Hum. Reprod. 19(12):2759-2766(2004)
Bione, S., et al. Semin. Reprod. Med. 18(1):51-57(2000)
Riva, P., et al. Clin. Genet. 50(4):267-269(1996)

Images



POF1B Antibody (Center) (Cat. #AP13828c) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the POF1B antibody detected the POF1B protein (arrow).

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