Product Informatiion Sheet

Polyclonal Anti-FOXL2 (Magnetic Bead Conjugate)

Catalogue No. PA1104-M

Lot No. 09H02

Ig type: rabbit IgG1

Size: 100µg/Vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

A synthetic peptide corresponding to a sequence at at the N-terminal of human FOXL2, identical to the related rat and mouse sequence.

Purification

Immunogen affinity purified

Contents

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN_3.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

The forkhead transcription factor gene, FOXL2 located in blepharophimosis-ptosis-epicanthus inversus syndrome (BPES) critical region on chromosome 3q23. Consistent with an involvement in BPES, FOXL2 is selectively expressed in the mesenchyme of developing mouse eyelids and in adult ovarian follicles; in adult humans, it appears predominantly in the ovary. FOXL2 haploinsufficiency may cause BPES types I and II by the effect of a null allele and a hypomorphic allele, respectively. Furthermore, in a fraction of the BPES patients the genetic defect does not reside within the coding region of the FOXL2 gene and may be caused by a position effect. FOXL2 mutations can also cause gonadal dysgenesis or premature ovarian failure (POF) in women, as well as eyelid/forehead dysmorphology in both sexes.

REFERENCE

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2. De Baere, E.; Dixon, M. J.; Small, K. W.; Jabs, E. W.; Leroy, B. P.; Devriendt, K.; Gillerot, Y.; Mortier, G.; Meire, F.; Van Maldergem, L.; Courtens, W.; Hjalgrim, H.; and 15 others : Spectrum of FOXL2 gene mutations in blepharophimosis-ptosis-epicanthus inversus (BPES) families demonstrates a genotype-phenotype correlation. *Hum. Molec. Genet.* 10: 1591-1600, 2001.
3. Uda, M.; Ottolenghi, C.; Crisponi, L.; Garcia, J. E.; Deiana, M.; Kimber, W.; Forabosco, A.; Cao, A.; Schlessinger, D.; Pilia, G. : Foxl2 disruption causes mouse ovarian failure by pervasive blockage of follicle development. *Hum. Molec. Genet.* 13: 1171-1181, 2004.