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FOXE3 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP12176c

Specification

FOXE3 Antibody (Center) Blocking peptide - Product Information

Primary Accession Q13461

FOXE3 Antibody (Center) Blocking peptide - Additional Information

Gene ID 2301

Other Names
Forkhead box protein E3, Forkhead-related protein FKHL12, Forkhead-related transcription factor 8, FREAC-8, FOXE3, FKHL12, FREAC8

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FOXE3 Antibody (Center) Blocking peptide - Protein Information

Name FOXE3

Synonyms FKHL12, FREAC8

Function
Transcription factor that controls lens epithelial cell growth through regulation of proliferation, apoptosis and cell cycle (PubMed:22527307, PubMed:25504734). During lens development, controls the ratio of the lens fiber cells to the cells of the anterior lens epithelium by regulating the rate of proliferation and differentiation (By similarity). Controls lens vesicle closure and subsequent separation of the lens vesicle from ectoderm (By similarity). Controls the expression of DNAJB1 in a pathway that is crucial for the development of the anterior segment of the eye (PubMed:27218149).

Cellular Location
Nucleus.

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FOXE3 Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

FOXE3 Antibody (Center) Blocking peptide - Images

FOXE3 Antibody (Center) Blocking peptide - Background

This intronless gene belongs to the forkhead family oftranscription factors, which is characterized by a distinctforkhead domain. The protein encoded functions as a lens-specifictranscription factor and plays an important role in vertebrate lensformation. Mutations in this gene are associated with anteriorsegment mesenchymal dysgenesis and congenital primary aphakia.

FOXE3 Antibody (Center) Blocking peptide - References

Reis, L.M., et al. Am. J. Med. Genet. A 152A (3), 582-590 (2010) :Bremond-Gignac, D., et al. Mol. Vis. 16, 1705-1711 (2010) :Ali, M., et al. Mol. Vis. 16, 1162-1168 (2010) :Anjum, I., et al. Mol. Vis. 16, 549-555 (2010) :Iseri, S.U., et al. Hum. Mutat. 30(10):1378-1386(2009)