

Anti-FOXE3 Antibody

Catalog # AP53299

Product Information

Application	WB, IHC
Primary Accession	Q13461
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33234

Additional Information

Gene ID	2301
Other Names	FKHL12; FREAC8; Forkhead box protein E3; Forkhead-related protein FKHL12; Forkhead-related transcription factor 8; FREAC-8
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FOXE3. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

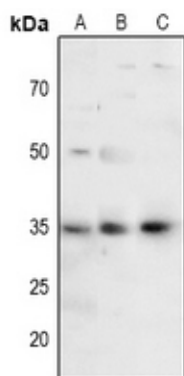
Protein Information

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.

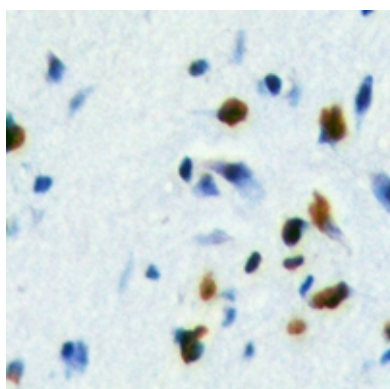
References

Carlsson P.,et al.Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
Semina E.V.,et al.Hum. Mol. Genet. 10:231-236(2001).
Gregory S.G.,et al.Nature 441:315-321(2006).
Larsson C.,et al.Genomics 30:464-469(1995).
Valleix S.,et al.Am. J. Hum. Genet. 79:358-364(2006).

Images



Western blot analysis of FOXE3 expression in Hela (A), mouse muscle (B), rat muscle (C) whole cell lysates. (Predicted band size: 33 kD; Observed band size: 33 kD)



Immunohistochemical analysis of FOXE3 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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