

FOXF2 Rabbit pAb

Catalog # AP96231

Product Information

Application	WB
Primary Accession	Q12947
Other Accession	Q12947
Reactivity	Mouse
Predicted	Rat, Human, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45993
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FOXF2
Epitope Specificity	65-160/444
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear.
SIMILARITY	Contains 1 fork-head DNA-binding domain.
SUBUNIT	Interacts with the transcription factors TBP and TFIIB.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The FOX family of transcription factors share a common DIUA binding domain termed a winged-helix or forkhead domain. Many FOX proteins play important roles in development, metabolism, cancer and aging. Development of the vertebrate gut is controlled by paracrine crosstalk between the endodermal epithelium and the associated splanchnic mesoderm. FOXF2 (forkhead box F2), also known as FKHL or FREAC2, is expressed in lung and placenta, and has been shown to transcriptionally activate several lung-specific genes. FOXF2 interacts with transcription factors TFIIB and TBP, and may be involved in regulating transcription in embryogenesis and pattern formation in multicellular organisms. FOXF2-deficient mice develop cleft palate and an abnormal tongue, which suggests that FOXF2 may be critical for palatogenesis.

Additional Information

Gene ID	2295
Other Names	FKHL6; FREAC-2; FREAC2; Fkh20; LUN; FOXF2_HUMAN; FOXF2; Forkhead-related activator 2 (FREAC-2); Forkhead-related protein FKHL6; Forkhead-related transcription factor 2; FOXF2_MOUSE; Protein LUN; forkhead box F2
Dilution	WB=1:500-2000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	FOXF2
Synonyms	FKHL6, FREAC2
Function	Probable transcription activator for a number of lung- specific genes (PubMed: 8626802). Mediates up-regulation of the E3 ligase IRF2BPL and drives ubiquitination and degradation of CTNNB1 (PubMed: 29374064).
Cellular Location	Nucleus
Tissue Location	Lung and placenta (PubMed:8626802). Predominantly expressed in gastrointestinal tract including stomach (PubMed:29374064).

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