



Rabbit Anti-FOXF2 antibody

SL13201R

Product Name:	FOXF2
Chinese Name:	叉头蛋白F2抗体
Alias:	FKH L6; FKHL 6; FKHL6; Forkhead box F2; Forkhead box protein F2; Forkhead like 6; Forkhead related activator 2; Forkhead related protein FKHL6; Forkhead related transcription factor 2; FOX F2; FOXF 2; FREAC 2; FREAC2; OTTHUMP00000017863;
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	46kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FOXF2:65-160/444
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

Function:

FOXF2 encodes forkhead box F2, one of many human homologues of the Drosophila melanogaster transcription factor forkhead. FOXF2 is expressed in lung and placenta, and has been shown to transcriptionally activate several lung-specific genes.

Subunit:

Interacts with the transcription factors TBP and TFIIB.

Subcellular Location:

Nuclear.

Similarity:

Contains 1 fork-head DNA-binding domain.

SWISS:

Q12947

Gene ID:

2295

Database links:

[Entrez Gene: 2295](#)Human

[Entrez Gene: 14238](#)Mouse

[Omim: 603250](#)Human

[SwissProt: Q12947](#)Human

[SwissProt: O54743](#)Mouse

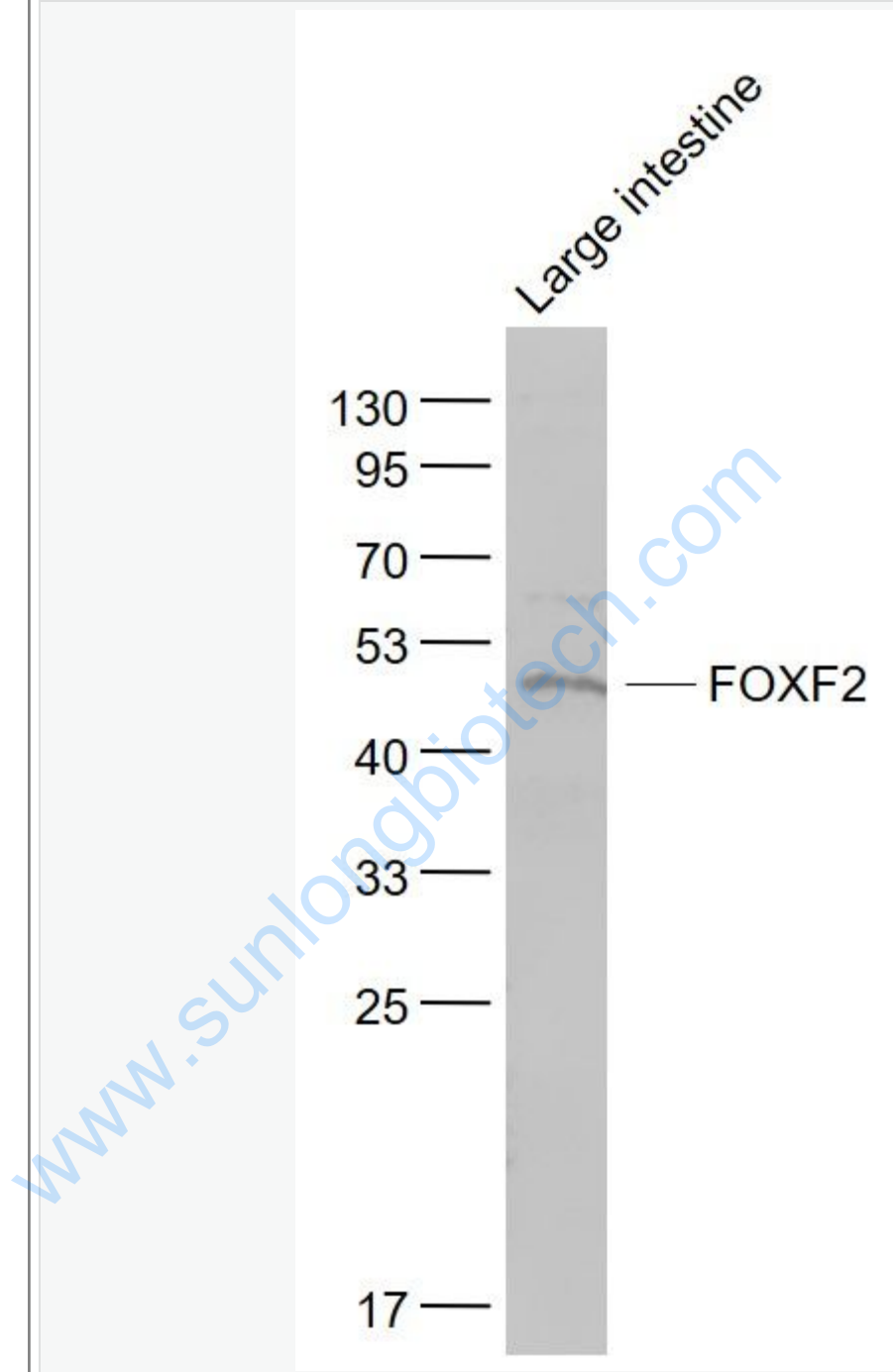
[Unigene: 484423](#)Human

[Unigene: 125548](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

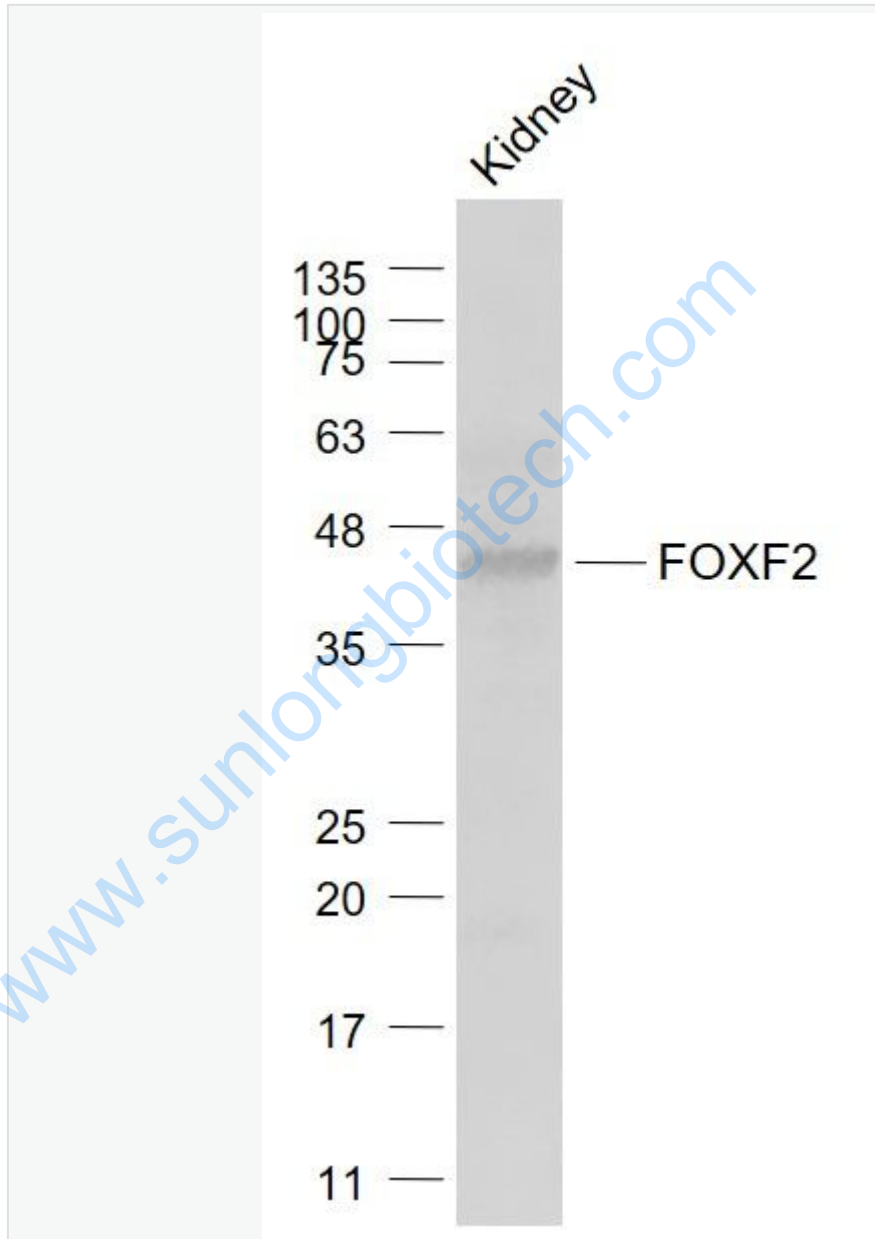
Large intestine (Mouse) Lysate at 40 ug

Primary: Anti- FOXF2 (SL13201R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD



Sample:

Kidney (Mouse) Lysate at 40 ug

Primary: Anti- FOXF2 (SL13201R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD

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