

# FOXF1 Rabbit pAb

FOXF1 Rabbit pAb  
Catalog # AP58036

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q12946</a>
<b>Reactivity</b>	Mouse
<b>Predicted</b>	Human, Rat, Chicken, Dog, Rabbit
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	40122
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human FOXF1
<b>Epitope Specificity</b>	285-379/379
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus (Probable).
<b>SIMILARITY</b>	Contains 1 fork-head DNA-binding domain.
<b>DISEASE</b>	Alveolar capillary dysplasia with misalignment of pulmonary veins (ACDMPV) [MIM:265380]: A rare developmental disorder characterized by abnormal development of the capillary vascular system in the lungs. Histological features include failure of formation and ingrowth of alveolar capillaries, medial muscular thickening of small pulmonary arterioles with muscularization of the intraacinar arterioles, thickened alveolar walls, and anomalously situated pulmonary veins running alongside pulmonary arterioles and sharing the same adventitial sheath. Less common features include a reduced number of alveoli and a patchy distribution of the histopathologic changes. Affected infants present with respiratory distress and the disease is fatal within the newborn period. Additional features include multiple congenital anomalies affecting the cardiovascular, gastrointestinal, genitourinary, and musculoskeletal systems, as well as disruption of the normal right-left asymmetry of intrathoracic or intraabdominal organs. ACDMPV is a rare cause of persistent pulmonary hypertension of the newborn, an abnormal physiologic state caused by failure of transition of the pulmonary circulation from the high pulmonary vascular resistance of the fetus to the low pulmonary vascular resistance of the newborn. Note=The disease is caused by mutations affecting the gene represented in this entry.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the regulation of pulmonary genes as well as embryonic development. [provided by RefSeq, Jul 2008]

## Additional Information

<b>Gene ID</b>	2294
<b>Other Names</b>	Forkhead box protein F1, Forkhead-related activator 1, FREAC-1, Forkhead-related protein FKHL5, Forkhead-related transcription factor 1, FOXF1, FKHL5, FREAC1
<b>Target/Specificity</b>	Expressed in lung and placenta.
<b>Dilution</b>	WB=1:500-2000
<b>Storage</b>	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.

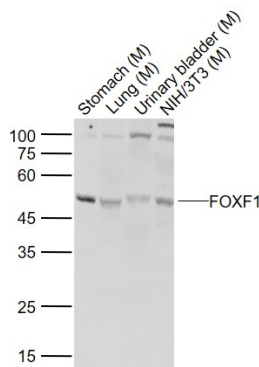
## Protein Information

<b>Name</b>	FOXF1
<b>Synonyms</b>	FKHL5, FREAC1
<b>Function</b>	Probable transcription activator for a number of lung- specific genes.
<b>Cellular Location</b>	Nucleus.
<b>Tissue Location</b>	Expressed in lung and placenta.

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## Images



### Sample:

Lane 1: Stomach (Mouse) Lysate at 40 ug

Lane 2: Lung (Mouse) Lysate at 40 ug

Lane 3: Urinary bladder (Mouse) Lysate at 40 ug

Lane 4: NIH/3T3 (Mouse) Cell Lysate at 30 ug

Primary: Anti-FOXF1 (AP58036) at 1/1000 dilution

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

Predicted band size: 40 kD

Observed band size: 50 kD

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