FOXF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FOXF1, Polyclonal Antibody
Full Product Name	FOXF1 Polyclonal Antibody
Product Gene Name	anti-FOXF1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	40kDa
OMIM	U13219 mRNA
3D Structure	ModBase 3D Structure for Q12946
Immunogen	Recombinant protein of human FOXF1 (NP_001442.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FOXF1 antibody	Western Blot (WB)
Application Notes for anti-FOXF1 antibody	WB: 1:500-1:2000
Related Product Information for anti-FOXF1 antibody	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.
Other Notes	Small volumes of anti-FOXF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FOXF1 purchase	MBS8571976 is an antibody targeting FOXF1. Also known as FOXF1 Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FOXF1. It may not necessarily be applicable to this product.

NCBI GI #	110735445
NCBI GeneID	2294
NCBI Accession #	NP_001442.2
UniProt Primary Accession #	Q12946
UniProt Related Accession #	Q12946

GenBank Nucleotide #	NP_001442.2
NCBI Official Full Name	forkhead box protein F1
NCBI Official Synonym Full Names	forkhead box F1
NCBI Official Symbol	FOXF1
NCBI Official Synonym Symbols	FKHL5; ACDMPV; FREAC1
UniProt Protein Name	Forkhead box protein F1
UniProt Synonym Protein Names	Forkhead-related activator 1; FREAC-1; Forkhead-related protein FKHL5; Forkhead-related transcription factor 1
Protein Family	Forkhead box protein
UniProt Gene Name	FOXF1
UniProt Synonym Gene Names	FKHL5; FREAC1; FREAC-1
NCBI Protein Information	forkhead box protein F1
UniProt Comments for FOXF1	FOXF1: Probable transcription activator for a number of lung- specific genes. Defects in FOXF1 are the cause of alveolar capillary dysplasia with misalignment of pulmonary veins (ACDMPV). ACDMPV is a rare malformation due to abnormal development of the capillary vascular system in the lungs. Histologically, it is characterized by 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. Protein type: DNA-binding; Motility/polarity/chemotaxis; Transcription factor Chromosomal Location of Human Ortholog: 16q24.1 Cellular Component: nucleus; transcription factor complex Molecular Function: DNA binding; RNA polymerase II transcription factor activity, enhancer binding; sequence-specific DNA binding Biological Process: blood vessel development; embryonic digestive tract morphogenesis; embryonic ectodermal gut morphogenesis; gut development; heart development; in utero embryonic development; lung development; midgut development; morphogenesis of a branching structure; pancreas development; positive regulation of transcription from RNA polymerase II promoter; positive regulation of transcription, DNA-dependent; respiratory tube development Disease: Alveolar Capillary Dysplasia With Misalignment Of Pulmonary Veins
Research Articles on FOXF1	**1.** our data indicate that FOXF1 represents not only a novel diagnostic biomarker, but also a potential novel therapeutic target in GIST.
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