

FOXK1 Antibody

Catalog No: #43090

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

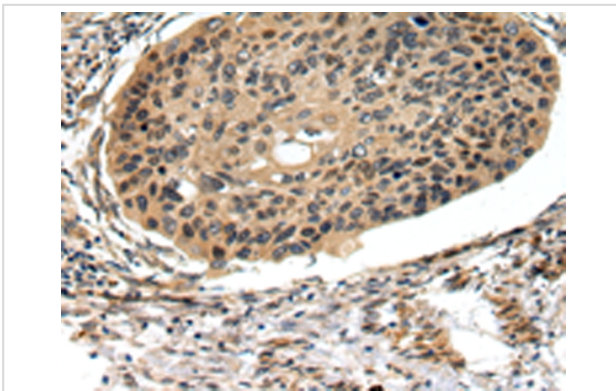
Description

Product Name	FOXK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total FOXK1 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human FOXK1
Target Name	FOXK1
Other Names	FOXK1L
Accession No.	Swiss-Prot#: P85037 Gene ID: 221937
Uniprot	P85037
GeneID	221937;
Concentration	1.4mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human esophagus cancer tissue using #43090 at dilution 1/20,

Background

The FOX family of transcription factors share a common DNA binding domain termed a winged-helix or forkhead domain. Many FOX proteins play important roles in development, metabolism, cancer and aging. In skeletal muscles, undifferentiated myogenic stem cells (satellite cells) can mobilize to regenerate myofibers in response to injury. FOXK1 is expressed in these cells and regulates cell cycle progression through an interaction with its downstream target the cyclin-dependent kinase inhibitor p21 (CIP). Loss of FOXK1 in mice results in growth retardation and a severe impairment in

skeletal muscle regeneration following injury. FOXK1 also shows expression in immature tissues of brain, eye, heart, lung and thymus. It also is predominantly expressed in many malignant tissues, such as tumors of the brain, colon and lymph node.

Note: This product is for in vitro research use only