Elabscience®

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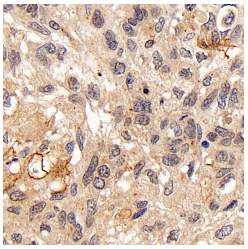
FOXO1 Polyclonal Antibody

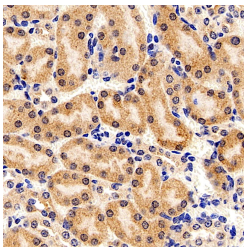
Catalog No.	E-AB-70144	**Reactivity**	H,M,R
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

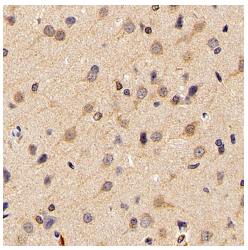
Images



Immunohistochemistry analysis of paraffin-embedded human lung cancer using FOXO1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using FOXO1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded rat brain using FOXO1 Polyclonal Antibody at dilution of 1:300.

Immunogen Information

Immunogen	Recombinant protein corresponding to Mouse FOXO1
Swissprot	Q12778,Q9R1E0,G3V7R4
Synonyms	FOXO1, FKH1, FKHR, FOXO1A, forkhead box O1

Product Information

Buffer	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Purify	Affinity purification
Dilution	IHC 1:300-1:1000

Background

FOXO1,also named as FOXO1A,FKHR and FKH1,is a member of the FOXO subfamily of Forkhead transcription factors. FOXO1 is a transcription factor which acts as a regulator of cell responses to oxidative stress. FOXO1 interacts with LRPPRC and SIRT1. In the presence of KIRT1,FOXO1 mediates down-regulation of cyclin D1 and up-regulation of CDKN1B levels which are required for cell transition from proliferative growth to quiescence. FOXO1 contains three predicted protein kinase B phosphorylation sites (Thr-24,Ser-256,and Ser-319) that are conserved in other FOXO proteins. The t(2;13) and the variant t(1;13) translocations generate PAX3/FKHR and PAX7/FKHR fusion proteins respectively. The resulting protein is a transcriptional activator. Defects in FOXO1 are a cause of rhabdomyosarcoma type 2 (RMS2).