

FoxO4 rabbit pAb

Cat No.:ES2368

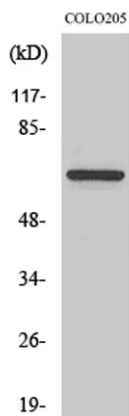
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Overview

Product Name	FoxO4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AFX. AA range:164-213
Specificity	FoxO4 Polyclonal Antibody detects endogenous levels of FoxO4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Forkhead box protein O4
Gene Name	FOXO4
Cellular localization	Cytoplasm. Nucleus. When phosphorylated, translocated from nucleus to cytoplasm. Dephosphorylation triggers nuclear translocation. Monoubiquitination increases nuclear localization. When deubiquitinated, translocated from nucleus to cytoplasm.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	70kD
Human Gene ID	4303
Human Swiss-Prot Number	P98177
Alternative Names	FOXO4; AFX; AFX1; MLLT7; Forkhead box protein O4; Fork head domain transcription factor AFX1
Background	This gene encodes a member of the O class of

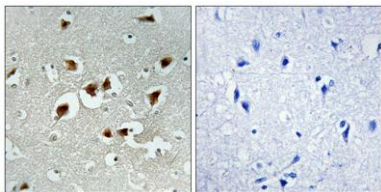


winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the *Drosophila* trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2010],



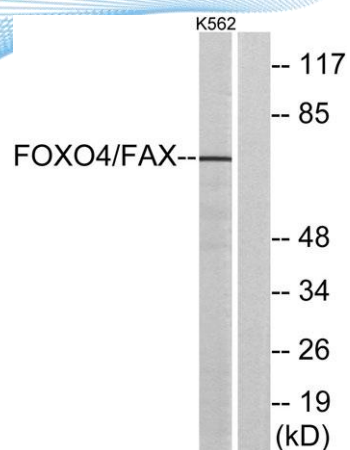
Western Blot analysis of various cells using FoxO4 Polyclonal Antibody

Immunohistochemistry analysis of paraffin-embedded human brain carcinoma tissue, using AFX Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from K562 cells, treated with serum, using AFX Antibody. The lane on the right is blocked with the synthesized peptide.



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