

RecomAb™

FOXO1 recombinant monoclonal antibody, clone R07-7C4

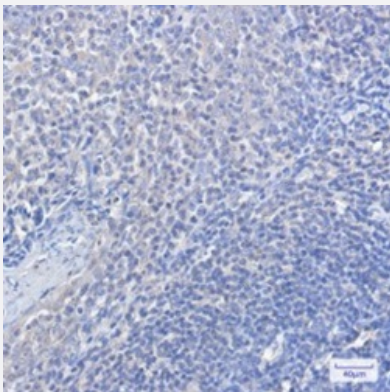
Catalog # RAB01659 Size 100 uL

Applications



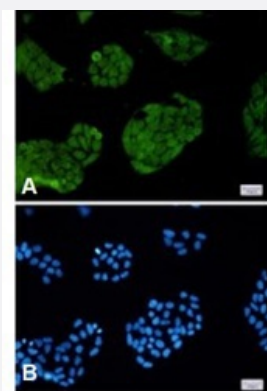
Western Blot

Western blot analysis of FOXO1A in HepG2 lysates using human FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry

Immunocytochemical staining of Hela with FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659). (A) FOXO1A (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human FOXO1A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human FOXO1A
Theoretical MW (kDa)	Calculated MW: 70 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of FOXO1A in HepG2 lysates using human FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Immunocytochemical staining of Hela with FOXO1A recombinant monoclonal antibody, clone R07-7C4 (Cat # RAB01659). (A) FOXO1A (green) and (B) DAPI (blue).

Gene Info — FOXO1

Entrez GeneID [2308](#)

Protein Accession# [Q12778](#)

Gene Name FOXO1

Gene Alias FKH1, FKHR, FOXO1A

Gene Description forkhead box O1

Omim ID [136533 268220](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq]

Other Designations OTTHUMP00000018301|forkhead box O1A (rhabdomyosarcoma)|forkhead homolog in rhabdomyosarcoma|forkhead, Drosophila, homolog of, in rhabdomyosarcoma

Pathway

- [Insulin signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Atherosclerosis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)

- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Head and Neck Neoplasms](#)
- [NARP](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)