

FKHR / FOX01 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 3338

Clone No.: 7H3

Format: 100ug Protein G-purified antibody in PBS, pH 7.4.

BACKGROUND

FKHR (ForKHead in Rhabdomyosarcoma), a 70kDa protein, is a member of the forkhead family of transcription factors. Members of this family are classified by their degree of homology in the 100-120aa region that is necessary for DNA binding and binding-site specificity. The FKHR subfamily differs from other members of the forkhead family in that all members contain an insertion of 5 amino acids next to the helix 3 in the middle of the forkhead domain and lack the conserved amino terminal KPPY sequence found in most forkhead genes. It has been shown that members of the FKHR gene family are phosphorylated by Akt which regulates its cellular localization promoting cell survival.

SPECIFICATION SUMMARY

Antigen: GST fusion protein containing the region encoding aa 242-655 of human FKHR expressed in *E. coli*.

Host Species: Mouse

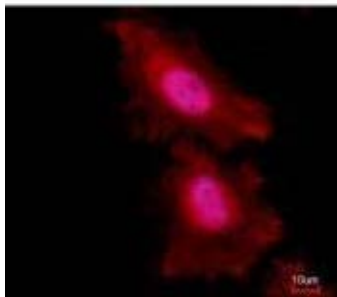
Antibody Subtype: IgG1

Specificity: This antibody recognizes human FKHR/FOX01.

APPLICATIONS

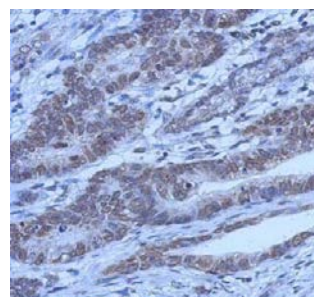
Immunoblotting: use at 0.1-2.0ug/ml. A band of 70kDa is detected.

IHC / ICC:



Immunofluorescent detection of FKHR/FOX01 in paraformaldehyde-fixed HeLa cells with #3338 at 10ug/ml.

Endusers should determine optimal concentrations for their applications.



Detection of FKHR/FOX01 in paraffin-embedded colon carcinoma with #3338 at 20ug/ml.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C or below. Store undiluted product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.