

FIH (Asparaginyl hydroxylase) Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 34038 (clone FIH162C)

Format: 100ug in PBS, pH 7.4, 0.09% sodium azide, 50% glycerol. Purified by Protein G affinity chromatography.

BACKGROUND

FIH, Factor Inhibiting HIF-1 (hypoxia-inducible factor), is an asparaginyl hydroxylase. FIH, in conjunction with VHL, represses HIF-1 transcriptional activity by disrupting the interaction of HIF-1 with the transcriptional coactivators CBP/p300, and by recruiting histone deacetylases. FIH activity is inhibited during hypoxia. Recent studies show that low nuclear expression of FIH is a prognostic indicator for poor overall survival in cases of clear cell renal cell carcinoma.

SPECIFICATION SUMMARY

Antigen: Recombinant full-length human FIH expressed in *E. coli*.

Accession no.: Q9NWT6, NP_060372.2

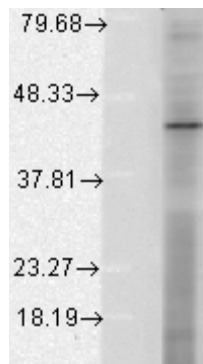
Host Species: Mouse

Antibody Class: IgG1

Specificity: This antibody recognizes human FIH.

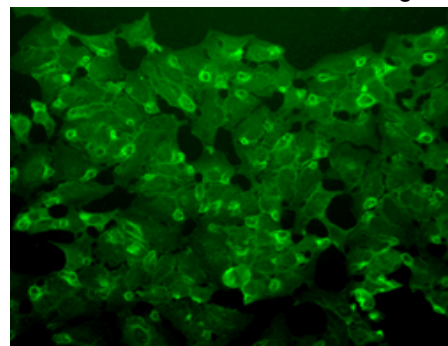
APPLICATIONS

Immunoblotting: use at 10ug/ml. A band of ~45kDa is detected.



Detection of FIH in HeLa cell lysate.

Immunofluorescence: use at 10ug/ml.



Detection of FIH in formaldehyde-fixed HeLa cells.

These are recommended concentrations. Endusers should determine optimal concentrations for their applications.

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. Avoid repeated freeze-thaw cycles.

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