

HIF1AN polyclonal antibody

Catalog: BS90632

Host: Rabbit

Reactivity: Human

BackGround:

Factor inhibiting HIF-1 (FIH-1) exists as a homodimer and binds to HIF-1 α . Specifically, FIH-1 operates as an asparaginyl hydroxylase. It catalyzes the hydroxylation of the β -carbon of Asparagine residue 803 within the carboxy terminal transactivation domain of HIF-1 α . This hydroxylation event blocks the association of HIF-1 α with co-activators. FIH-1 also binds to von Hippel-Lindau (VHL) tumor suppressor protein, which represses transcriptional activity of HIF-1 α . In transiently transfected human osteosarcoma cells, FIH-1 localizes to the cytoplasm. The structure of FIH-1 includes a jellyroll-like β -barrel containing ferrous-binding triad residues. The gene encoding human FIH-1 maps to chromosome 10q24.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

40 kDa

Swiss-Prot:

Q9NWT6(Human)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:2,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

Storage&Stability:

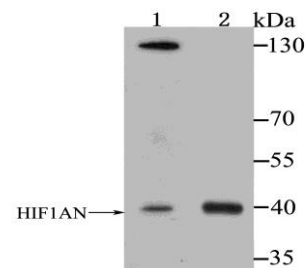
Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid

repeated freeze / thaw cycles.

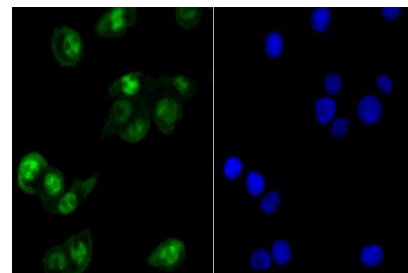
Specificity:

HIF1AN polyclonal antibody detects endogenous levels of HIF1AN protein.

DATA:



Western blot analysis of HIF1AN on A549 and Jurkat cell lysates using anti-HIF1AN antibody at 1/1,000 dilution.



ICC staining HIF1AN in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

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