
HIF1AN Recombinant Rabbit mAb

Catalog Number: bsm-61905R

Target Protein: HIF1AN

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 19F5

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:50-200), IHC-F (1:50-200), IF (1:50-200), ICC/IF (1:50-200)

Reactivity: Human

Predicted MW: 40

Detected MW: 40

Entrez Gene: 55662

Swiss Prot: Q5W147

Purification: affinity purified by Protein A

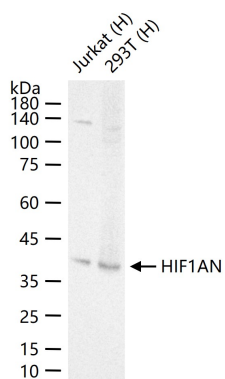
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.

Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

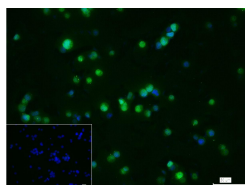
Background: Hydroxylates HIF-1 alpha at 'Asn-803' in the C-terminal transactivation domain (CAD).

Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. Involved in transcriptional repression through interaction with HIF1A, VHL and histone deacetylases. Hydroxylates specific Asn residues within ankyrin repeat domains (ARD) of NFKB1, NFKBIA, NOTCH1, ASB4, PPP1R12A and several other ARD-containing proteins.

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with HIF1AN monoclonal antibody, unconjugated (bsm-61905R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Jurkat (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (HIF1AN) monoclonal Antibody, unconjugated (bsm-61905R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.