

Anti-HIF1AN(Hypoxia-inducible factor 1 alpha inhibitor) polyclonal Antibody

Cat. #: 60B305

Description:

HIF1AN(Hypoxia-inducible factor 1 alpha inhibitor) hydroxylates HIF-1 alpha at Asp-803 in the C-terminal transactivation domain (CAD). HIF1AN functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. HIF1AN is involved in transcriptional repression through interaction with HIF1A, VHL and histone deacetylases.

HIF1AN interacts with VHL and HIF1A. It is a part of a complex with VHL, HIF1A and HDAC1 or HDAC2 or HDAC3.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human hypoxia-inducible factor 1 alpha inhibitor

References

- Lee,C., et al, J. Biol. Chem. 278 (9), 7558-7563 (2003)
Freedman,S.J., et al, Proc. Natl. Acad. Sci. U.S.A. 99 (8), 5367-5372 (2002)
Mahon,P.C., et al, Genes Dev. 15 (20), 2675-2686 (2001)
Lando,D., et al, Genes Dev. 16 (12), 1466-1471 (2002)
Hewitson,K.S., et al, J. Biol. Chem. 277 (29), 26351-26355 (2002)
Dann,C.E. III, et al, Proc. Natl. Acad. Sci. U.S.A. 99 (24), 15351-15356 (2002)
Elkins,J.M., et al, J. Biol. Chem. 278 (3), 1802-1806 (2003)

Clone Number:

Isotype:

Species: human, mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)