

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## HIF1AN RABBIT PAB

Cat.#: S220551

Product Name: Anti-HIF1AN Rabbit Polyclonal Antibody

Synonyms: FIH1

UNIPROT ID: Q9NWT6 (Gene Accession - NP\_060372)

**Background:** Hypoxia-inducible factor 1-alpha inhibitor is a protein that in humans is encoded by the HIFIAN gene. Hydroxylates HIF-1 alpha at 'Asp-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

Immunogen: Synthetic peptide of human HIF1AN

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 25-100;WB: 500-2000;ELISA: 1000-2000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

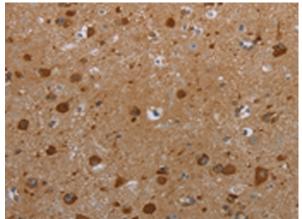
**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol **Research Areas:** Cardiovascular, Epigenetics and Nuclear Signaling

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

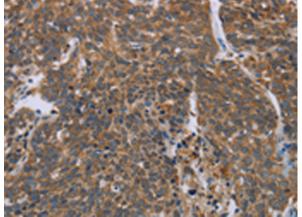


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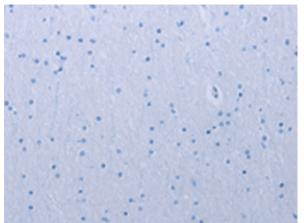
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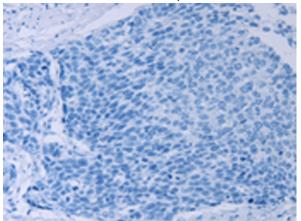
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 220551(HIF1AN Antibody) at a dilution of 1/25(Nucleus and Cytoplasm).



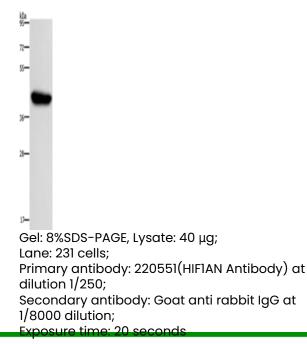
The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 220551(Anti-HIFIAN Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 220551(Anti-HIF1AN Antibody) at dilution 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D261682(Anti-HIF1AN Antibody) at dilution 1/25.





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