

Product datasheet for **TA351190S**

HIF1AN Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 231 cells IHC: 25-100 Positive control: Human brain Predicted cell location: Nucleus and Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human HIF1AN
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	40 kDa
Gene Name:	hypoxia inducible factor 1 alpha subunit inhibitor
Database Link:	NP_060372 Entrez Gene 319594 Mouse Entrez Gene 55662 Human Q9NWT6



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Background:

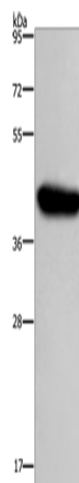
Hypoxia-inducible factor 1-alpha inhibitor is a protein that in humans is encoded by the HIF1AN gene. Hydroxylates HIF-1 alpha at 'Asp-803' in the C-terminal transactivation domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with 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

Synonyms:

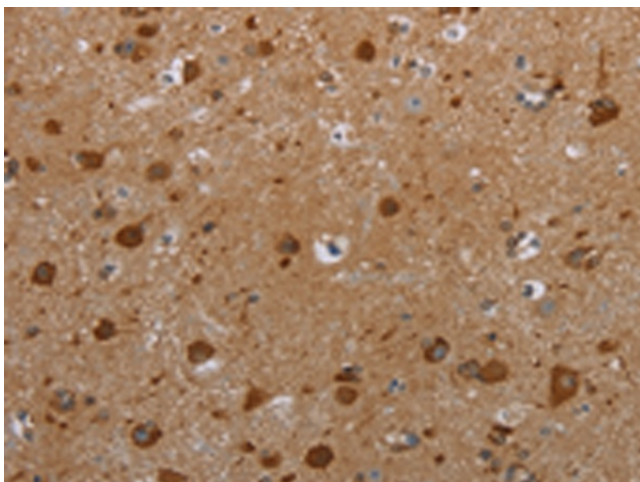
FIH1

Protein Families:

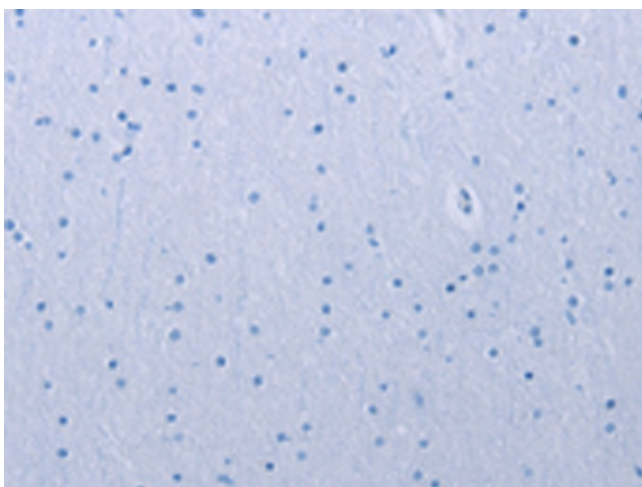
Druggable Genome

Product images:

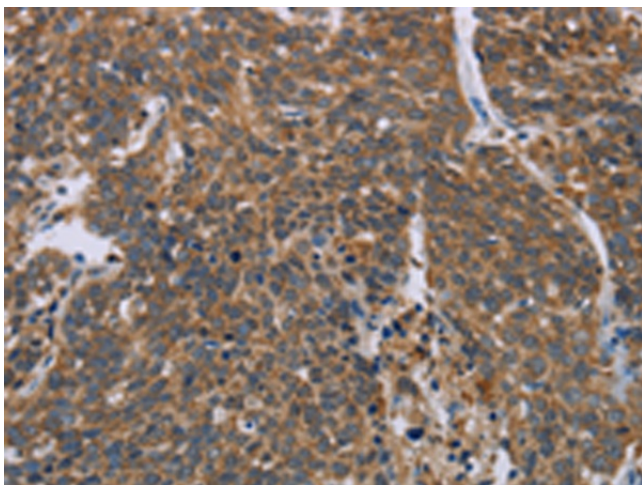
Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: 231 cells
Primary antibody: [TA351190] (HIF1AN Antibody) at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 20 seconds



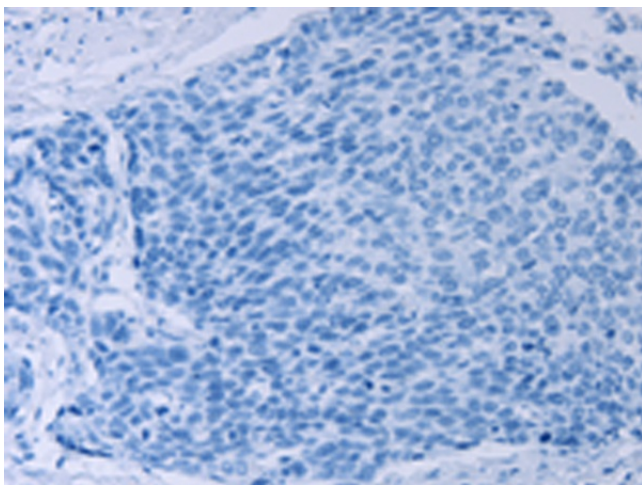
Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351190] (HIF1AN Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using [TA351190] (HIF1AN Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA351190] (HIF1AN Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using [TA351190] (HIF1AN Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: $\times 200$)