

HIF1AN Antibody

Catalog No: #42894

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Description

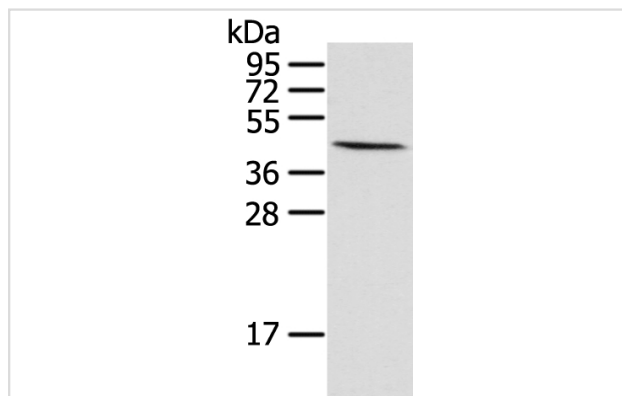
Product Name	HIF1AN Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total HIF1AN protein.
Immunogen Type	protein
Immunogen Description	Full length fusion protein of human HIF1AN
Target Name	HIF1AN
Other Names	FIH1
Accession No.	Swiss-Prot#: Q9NWT6 Gene ID: 55662
Uniprot	Q9NWT6
GeneID	55662;
Calculated MW	40kd
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:10-1:50

Images



Gel: 12%SDS-PAGE

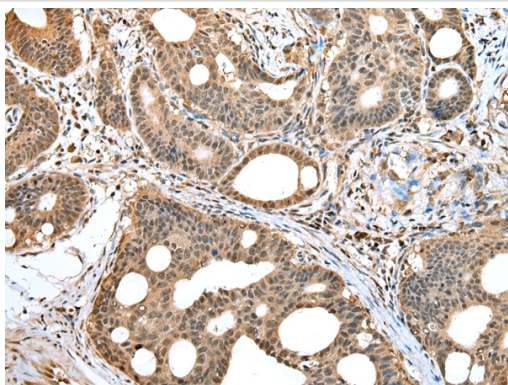
Lysate: 40 µg

Lane: Human fetal muscle tissue

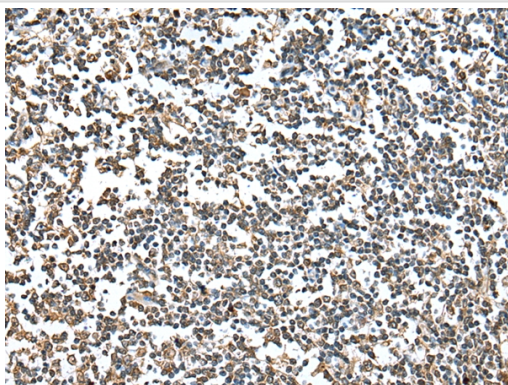
Primary antibody: 1/300 dilution

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue using #42894 at dilution 1/25.



Immunohistochemical analysis of paraffin-embedded Human tonsil tissue using #42894 at dilution 1/25.

Background

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. Also hydroxylates Asp and His residues within ARDs of ANK1 and TNKS2, respectively.

Note: This product is for in vitro research use only