

Product Name: KD-Validated HIF1AN Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01036**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 40.3kDa

Antigen Information

Gene Name	HIF1AN HIF1AN; Hypoxia Inducible Factor 1 Subunit Alpha Inhibitor; FIH1; Hypoxia-Inducible Factor Asparagine Hydroxylase; Hypoxia-Inducible Factor 1-Alpha Inhibitor; Peptide-Aspartate
Alternative Names	Beta-Dioxygenase; Factor Inhibiting HIF-1; FLJ20615; FLJ22027; FIH-1; Hypoxia Inducible Factor 1 Alpha Subunit Inhibitor; Factor Inhibiting HIF1; DKFZp762F1811; DKFZP762F1811; EC 1.14.11.30; EC 1.14.11.N4
Gene ID	55662.0
SwissProt ID	Q9NWT6
Immunogen	A synthesized peptide derived from human HIF1AN

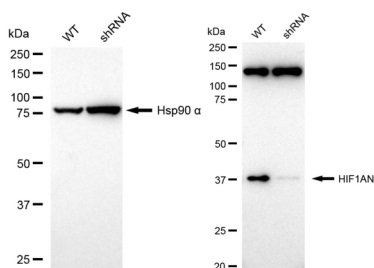
Background

Enables several functions, including 2-oxoglutarate-dependent dioxygenase activity; NF-kappaB binding activity; and transition metal ion binding activity. Involved in negative regulation of Notch signaling pathway and positive regulation of myoblast differentiation. Located in cytosol; nucleoplasm; and perinuclear region of cytoplasm. [provided by Alliance of Genome Resources, Jul 2025]

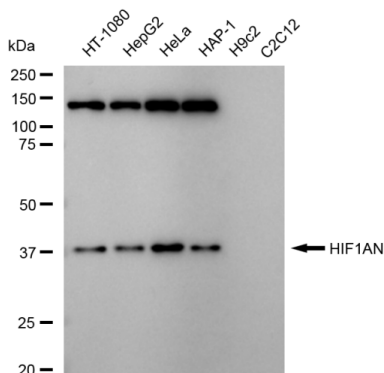
Research Area

Epigenetics and Nuclear Signaling,Cancer

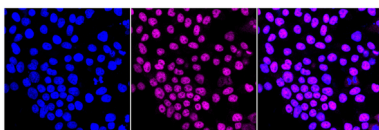
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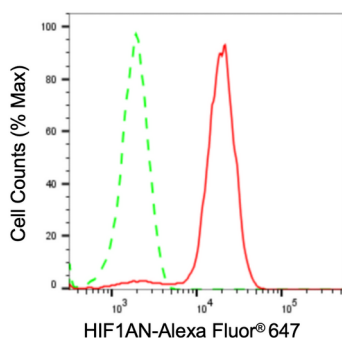
Western blotting analysis using HIF1AN antibody (KVA01036). HIF1AN expression in wild type (WT) and HIF1AN shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with HIF1AN antibody (KVA01036, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using HIF1AN antibody (KVA01036). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with HIF1AN antibody (KVA01036, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with HIF1AN antibody (KVA01036, 1:1,000). Nuclei were stained blue with DAPI; HIF1AN was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 μ m.



Flow cytometric analysis of HIF1AN expression in HeLa cells using HIF1AN antibody (KVA01036, 1:2,000). Green, isotype control; red, HIF1AN.