

HIF1AN/FIH1 Rabbit pAb

Catalog NO.: A5466 **KO Validated** **4 Publications**

Basic Information

Observed MW

40kDa

Calculated MW

41kDa

Category

Polyclonal Antibodies

Applications

WB, IHC-P, IF/ICC, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat

Conjugation

Unconjugated

Background

Enables several functions, including 2-oxoglutarate-dependent dioxygenase activity; NF-kappaB binding activity; and transition metal ion binding activity. Involved in several processes, including negative regulation of Notch signaling pathway; negative regulation of transcription from RNA polymerase II promoter in response to hypoxia; and protein hydroxylation. Located in cytosol; nucleoplasm; and perinuclear region of cytoplasm. Colocalizes with nucleus.

Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

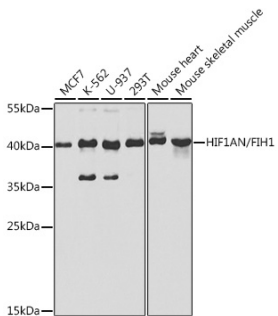
Gene ID	Swiss Prot
55662	Q9NWT6
Immunogen Recombinant protein (or fragment).This information is considered to be commercially sensitive.	
Synonyms FIH1; H1	

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.		

Validation Data



Western blot analysis of various lysates using [KO Validated] HIF1AN/FlH1 Rabbit pAb (A5466) at 1:1000 dilution.

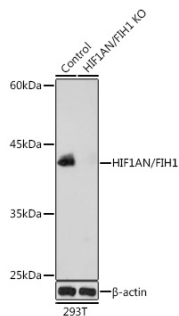
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.



Western blot analysis of lysates from wild type (WT) and HIF1AN/FlH1 knockout (KO) 293T cells, using [KO Validated] HIF1AN/FlH1 Rabbit pAb (A5466) at 1:1000 dilution.

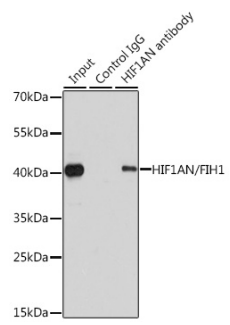
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

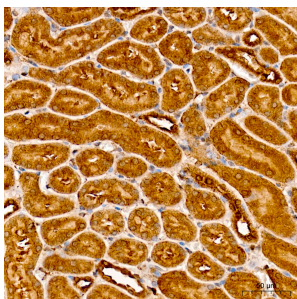
Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.

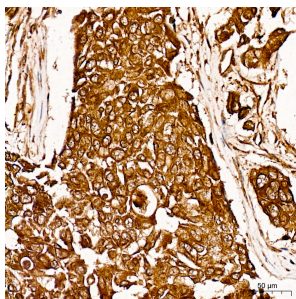


Immunoprecipitation analysis of 200 μ g extracts of 293T cells using 1 μ g HIF1AN/FIH1 antibody (A5466). Western blot was performed from the immunoprecipitate using HIF1AN/FIH1 antibody (A5466) at a dilution of 1:1000.

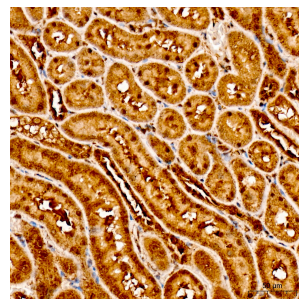
Validation Data



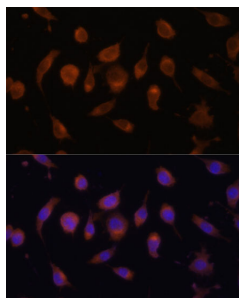
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using [KO Validated] HIF1AN/FIH1 Rabbit pAb (A5466) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KO Validated] HIF1AN/FIH1 Rabbit pAb (A5466) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using [KO Validated] HIF1AN/FIH1 Rabbit pAb (A5466) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of L929 cells using [KO Validated] HIF1AN/FIH1 Rabbit pAb (A5466) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

