

## [KO Validated] HIF1AN/FIH1 Antibody

**CAB5466**

### Description

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This [KO Validated] HIF1AN/FIH1 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB5466

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** FIH1, H1

**Clone:** -

**Applications:** WB IHC-P IF/ICC IP ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human, Mouse, Rat

### Antibody Data

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**Gene ID:** 55662

**Uniprot:** AB\_2766267

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 40kDa

**Calculated MW:** 41kDa

## Preparation & Storage

**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.

Store Bradford Reagent at Room Temperature for 1 Year.

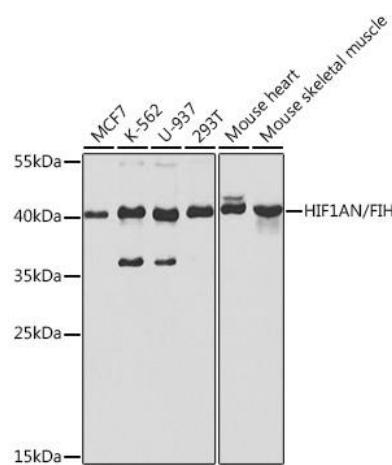
**Positive Sample:** MCF7, K-562, U-937, 293T, Mouse heart, Mouse skeletal muscle

**Recommended Dilutions:**

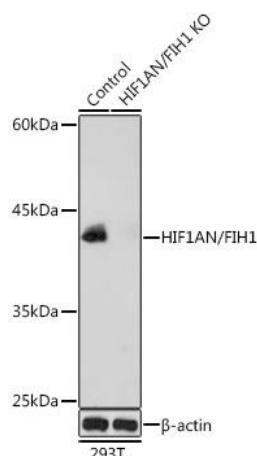
<b>WB</b>	1:500 - 1:2000
<b>IHC-P</b>	1:50 - 1:200
<b>IF/ICC</b>	1:50 - 1:200
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

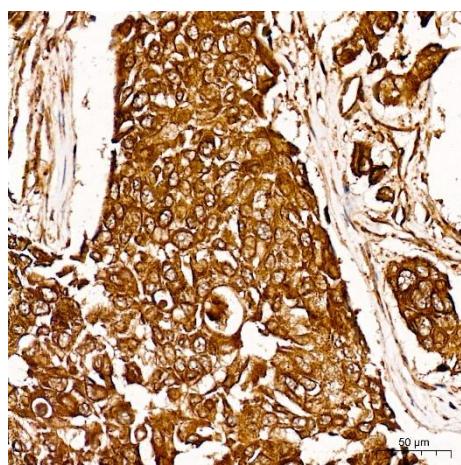
## Validation Data



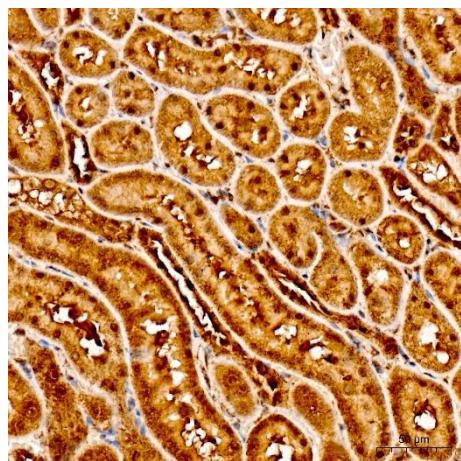
Western blot analysis of various lysates using [KO Validated] HIF1AN/ Rabbit pAb (CAB5466) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



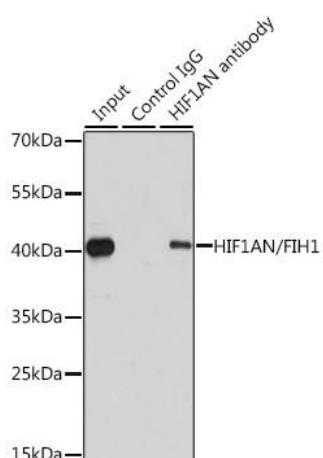
Western blot analysis of lysates from wild type (WT) and HIF1AN/ knockout (KO) 293T cells, using [KO Validated] HIF1AN/ Rabbit pAb (CAB5466) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using [KO Validated] HIF1AN/ Rabbit pAb (CAB5466) 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/ Rabbit pAb (CAB5466) 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.



Immunoprecipitation analysis of 200 µg extracts of 293T cells using 1 µg HIF1AN/ antibody (CAB5466). Western blot was performed from the immunoprecipitate using HIF1AN/ antibody (CAB5466) at a dilution of 1:1000.