

## NDUFA13/GRIM19 Antibody

**CAB5412**

### Description

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This NDUFA13/GRIM19 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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<b>SKU:</b>	CAB5412
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Polyclonal Antibody
<b>Synonyms:</b>	B16.6, CDA016, CGI-39, GRIM19, GRIM-19, MC1DN28, [KD Validated] NDUFA13/GRIM19
<b>Clone:</b>	-
<b>Applications:</b>	<span style="background-color: red; color: white; padding: 2px 5px;">WB</span> <span style="background-color: #4682B4; color: white; padding: 2px 5px;">ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat

### Antibody Data

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<b>Gene ID:</b>	51079
<b>Uniprot:</b>	AB_2766220
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	17kDa
<b>Calculated MW:</b>	17kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

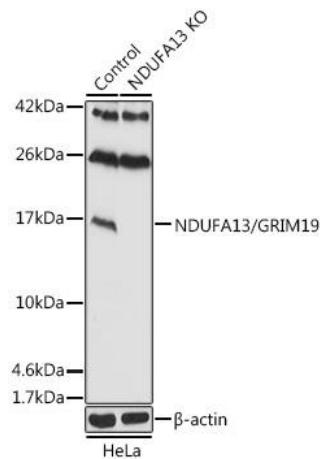
**Positive Sample:** 293T, HepG2, PC-3

**Recommended Dilutions:**

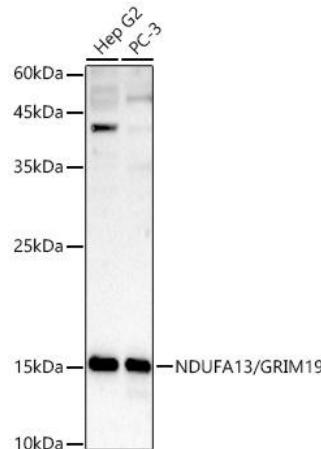
<b>WB</b>	1:500 - 1:1000
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**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

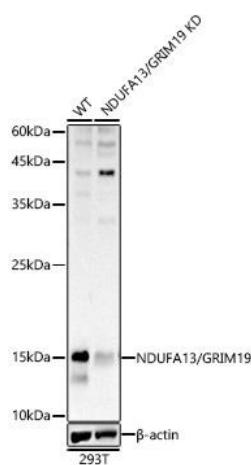
## Validation Data



Western blot analysis of lysates from wild type (WT) and NDUFA13/GRIM19 knockout (KO) HeLa cells, using [KO Validated] NDUFA13/GRIM19 Rabbit pAb (CAB5412) 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: 10s.



Western blot analysis of various lysates, using [KD Validated] NDUFA13/GRIM19 Rabbit pAb (CAB5412) 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 Enhanced Kit (AbGn00021). Exposure time: 90s.



Western blot analysis of lysates from wild type(WT) and NDUFA13/GRIM19 knockdown (KD) 293T cells, using [KD Validated] NDUFA13/GRIM19 Rabbit pAb (CAB5412) 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 Enhanced Kit (AbGn00021). Exposure time: 90s.