

[KO Validated] IDH1 Antibody

CAB13245

Description

This [KO Validated] IDH1 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

| | |
|----------------------|---|
| SKU: | CAB13245 |
| Contents: | 20 µL, 100 µL Bradford Reagent: 1 vial (2ml) |
| Category: | Polyclonal Antibody |
| Synonyms: | IDH, IDP, IDCD, IDPC, PICD, HEL-216, HEL-S-26, H1 |
| Clone: | - |
| Applications: | WB IF/ICC IP ELISA |
| Conjugation: | Unconjugated |
| Reactivity: | Human, Mouse, Rat |

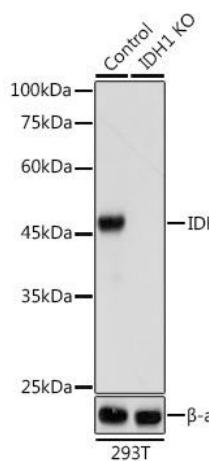
Antibody Data

| | |
|-----------------------|-----------------------|
| Gene ID: | 3417 |
| Uniprot: | AB_2760098 |
| Host Species: | Rabbit |
| Purification: | Affinity purification |
| Observed MW: | 46kDa |
| Calculated MW: | 47kDa |

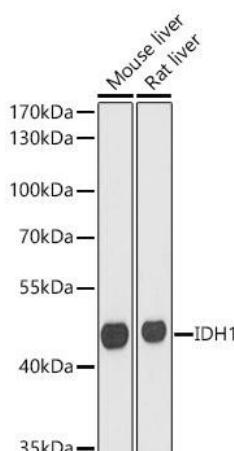
Preparation & Storage

| | | | | | | | | | |
|---|--|-----------|----------------|---------------|--------------|-----------|--|--------------|--|
| Storage: | Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3. | | | | | | | | |
| | Store Bradford Reagent at Room Temperature for 1 Year. | | | | | | | | |
| Positive Sample: | 293T | | | | | | | | |
| Recommended Dilutions: | <table border="1"> <tr> <td>WB</td><td>1:500 - 1:1000</td></tr> <tr> <td>IF/ICC</td><td>1:50 - 1:200</td></tr> <tr> <td>IP</td><td>0.5μg-4μg antibody for 200μg-400μg extracts of whole cells</td></tr> <tr> <td>ELISA</td><td>Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.</td></tr> </table> | WB | 1:500 - 1:1000 | IF/ICC | 1:50 - 1:200 | IP | 0.5 μ g-4 μ g antibody for 200 μ g-400 μ g extracts of whole cells | ELISA | Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements. |
| WB | 1:500 - 1:1000 | | | | | | | | |
| IF/ICC | 1:50 - 1:200 | | | | | | | | |
| IP | 0.5 μ g-4 μ g antibody for 200 μ g-400 μ g extracts of whole cells | | | | | | | | |
| ELISA | Recommended starting concentration is 1 μ g/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 | | | | | | | | |

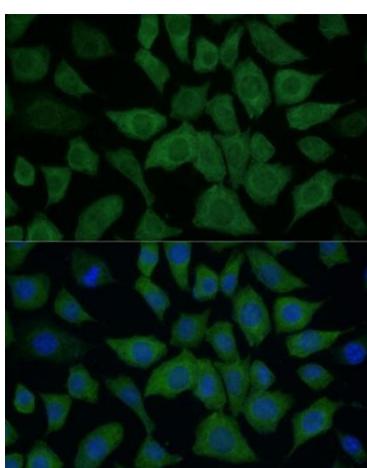
Validation Data



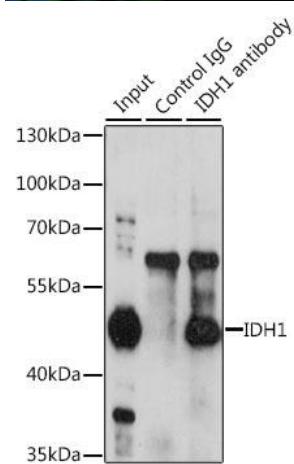
Western blot analysis of lysates from wild type (WT) and knockout (KO) 293T cells, using [KO Validated] Rabbit pAb (CAB13245) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 60s.



Western blot analysis of various lysates using Rabbit pAb (CAB13245) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Immunofluorescence analysis of cells using [KO Validated] Rabbit pAb (CAB13245) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells, using 3 µg antibody (CAB13245). Western blot was performed from the immunoprecipitate using antibody (CAB13245) at a dilution of 1:1000.