

## Anti-IDH1 antibody (1-414) (STJ115211)

### GENERAL INFORMATION

|               |                    |
|---------------|--------------------|
| Product Type  | Primary antibodies |
| Applications  | WB/IF/ICC/IP/ELISA |
| Host / Source | Rabbit             |
| Reactivity    | Human/Mouse/Rat    |

### PRODUCT PROPERTIES

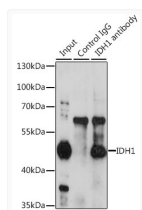
|                     |                                                                                                                                                                                                                                                        |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                                                                                             |
| Concentration       | Lot specific                                                                                                                                                                                                                                           |
| Conjugation         | Unconjugated                                                                                                                                                                                                                                           |
| Purification        | Affinity purification                                                                                                                                                                                                                                  |
| Dilution Range      | WB:1:500-1:1000<br>IF/CC:1:50-1:200<br>IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells<br>ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements |
| Formulation         | PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.                                                                                                                                                                                                       |
| Isotype             | IgG                                                                                                                                                                                                                                                    |
| Molecular Weight    | Protein Mw: 47kDa<br>Observed Mw: 46kDa                                                                                                                                                                                                                |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                                                                         |

### TARGET INFORMATION

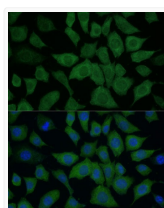
|                    |                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">3417</a>                                                                                                                                                                                                                                                 |
| Gene Symbol        | <a href="#">IDH1</a>                                                                                                                                                                                                                                                 |
| UniProt ID         | <a href="#">IDHC_HUMAN</a>                                                                                                                                                                                                                                           |
| Immunogen Region   | 1-414                                                                                                                                                                                                                                                                |
| Immunogen Sequence | MSKKISGGSVVEMQGDENR IIVELIKEKLIFPYVELDLH SYDLGIENRDATNDQVTKDA<br>AEAIAKKHNVGVKCATITPDE KRVEEFKLKQMWKSPNGTIR NILGGTVFREAIICKNIPRL<br>VSGWVKPIIIGRHAYGDQYR ATDFVVPGPVKVEITYTPSD GTQKVITYLVHNFEEGGGVAM<br>GMYNQDKSIEDFAHSSSQMA LSKGWPLYLSTKNTILKKYD GRFKDIFQEIYDKQYKSQF |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 1-414 of human IDH1 (NP_005887.2).                                                                                                                                                     |

### ADDITIONAL INFORMATION

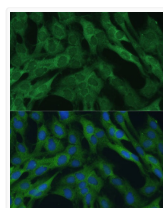
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



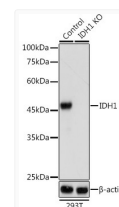
Immunoprecipitation analysis of 200 Mu g extracts of HeLa cells, using 3 Mu g IDH1 antibody (STJ115211). Western blot was performed from the immunoprecipitate using IDH1 antibody (STJ115211) at a dilution of 1:1000.



Immunofluorescence analysis of L929 cells using [KO Validated] IDH1 Rabbit polyclonal antibody (STJ115211) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using [KO Validated] IDH1 Rabbit polyclonal antibody (STJ115211) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of lysates from wild type (WT) and IDH1 knockout (KO) 293T cells, using [KO Validated] IDH1 Rabbit polyclonal antibody (STJ115211) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.