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Datasheet for ABIN2748445 **NOTCH2 ELISA Kit**

Overview

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| Quantity: | 96 tests |
| Target: | NOTCH2 |
| Reactivity: | Rat |
| Method Type: | Sandwich ELISA |
| Application: | ELISA |

Product Details

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| Purpose: | Custom Rat Notch-2 ELISA Kit. |
| Sample Type: | Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes Rat Notch-2 |
| Characteristics: | <ul style="list-style-type: none">• Strip plates and additional reagents allow for use in multiple experiments• Quantitative protein detection• Establishes normal range• The best products for confirmation of antibody array data |
| Components: | <ul style="list-style-type: none">• Pre-Coated 96-well Strip Microplate• Wash Buffer• Stop Solution• Assay Diluent(s)• Lyophilized Standard• Biotinylated Detection Antibody |

Product Details

- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

Target Details

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| Target: | NOTCH2 |
| Alternative Name: | Notch-2 (NOTCH2 Products) |
| Background: | Notch-2 |
| Gene ID: | 29492 |
| UniProt: | Q9QW30 |
| Pathways: | Notch Signaling , Stem Cell Maintenance |

Application Details

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| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Protocol: | <ol style="list-style-type: none">1. Prepare all reagents, samples and standards as instructed in the manual.2. Add 100 µL of standard or sample to each well.3. Incubate 2.5 h at RT or O/N at 4 °C.4. Add 100 µL of prepared biotin antibody to each well.5. Incubate 1 h at RT.6. Add 100 µL of prepared Streptavidin solution to each well.7. Incubate 45 min at RT.8. Add 100 µL of TMB One-Step Substrate Reagent to each well.9. Incubate 30 min at RT.10. Add 50 µL of Stop Solution to each well.11. Read at 450 nm immediately. |
| Assay Procedure: | Prepare all reagents, samples and standards as instructed in the manual.Add 100 µL of |

Application Details

standard or sample to each well. Incubate 2.5 h at RT or O/N at 4 °C. Add 100 µL of prepared biotin antibody to each well. Incubate 1 h at RT. Add 100 µL of prepared Streptavidin solution to each well. Incubate 45 min at RT. Add 100 µL of TMB One-Step Substrate Reagent to each well. Incubate 30 min at RT. Add 50 µL of Stop Solution to each well. Read at 450 nm immediately.

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| Restrictions: | For Research Use only |
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Handling

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| Storage: | -20 °C |
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| Storage Comment: | The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C. |
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| Expiry Date: | 6 months |
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