Datasheet for ABIN6810525

# H2AFX ELISA Kit

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## Overview

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| Quantity: | 96 tests |
| Target: | H2AFX |
| Binding Specificity: | acetylated |
| Reactivity: | Human, Mouse, Rat |
| Method Type: | Sandwich ELISA |
| Application: | ELISA |

## Product Details

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| Purpose: | Human, Mouse, Rat Acetylated-Histone H2AX ELISA Kit. This ELISA is for measuring Acetylated-Histone H2AX in Human, Mouse, Rat cell lysates. |
| Sample Type: | Cell Lysate |
| Analytical Method: | Semi-Quantitative |
| Detection Method: | Colorimetric |
| Specificity: | The antibody pair provided in this kit recognizes Human///Mouse///Rat Acetylated-Histone H2AX. |
| Characteristics: | • Simultaneously measure cleaved protein and pan protein in one experiment (for normalization purpose)<br>• Screen numerous different cell lysates without performing a Western Blot analysis<br>• Minimal hands-on time, convenient, and non-radioactive material |
| Components: | • Pre-Coated 96-well Strip Microplate<br>• Wash Buffer |

## Product Details

- Anti-cleaved Antibody
- Anti-Pan Antibody
- HRP-Conjugated Secondary Antibody
- Streptavidin-Conjugated HRP
- Assay Diluent
- TMB One-Step Substrate
- Stop Solution
- Lysis Buffer
- Positive Control Sample

Material not included:

- Distilled or deionized water
- 100 mL and 1 liter graduated cylinders
- Tubes to prepare sample dilutions
- Protease and Phosphatase inhibitors
- Precision pipettes to deliver 2 µL to 1 mL volumes
- Adjustable 1-25 mL pipettes for reagent preparation
- Benchtop rocker or shaker
- Microplate reader capable of measuring absorbance at 450 nm

## Target Details

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| Target: | H2AFX |
| Alternative Name: | Histone H2AX (H2AFX Products) |
| Gene ID: | 3014 |
| Pathways: | Telomere Maintenance, DNA Damage Repair, Positive Regulation of Response to DNA Damage Stimulus |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Protocol: | 1. Prepare all reagents and samples as instructed in the manual.<br>2. Add 100 µL of sample or positive control to each well.<br>3. Incubate 2.5 h at RT or O/N at 4 °C.<br>4. Add 100 µL of prepared primary antibody to each well.<br>5. Incubate 1 h at RT.<br>6. Add 100 µL of prepared 1X HRP-Streptavidin to each well.<br>7. Incubate 1 h at RT.<br>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.<br>9. Incubate 30 min at RT.<br>10. Add 50 µL of Stop Solution to each well. |

## Application Details

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| | 11. Read at 450 nm immediately. |
| Restrictions: | For Research Use only |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Upon receipt, the kit should be stored at -20 °C. Please use within 6 months from the date of shipment. After initial use, Wash Buffer Concentrate (Item B), Assay Diluent (Item E), TMB One-Step Substrate Reagent (Item H), HRP-Streptavidin (Item G), Stop Solution (Item I) and Cell Lysate Buffer (Item J) should be stored at 4 °C to avoid repeated freeze-thaw cycles. Return unused wells to the pouch containing desiccant pack, reseal along entire edge and store at -20 °C. Reconstituted Positive Control (Item K) should be stored at -70 °C. |
| Expiry Date: | 6 months |