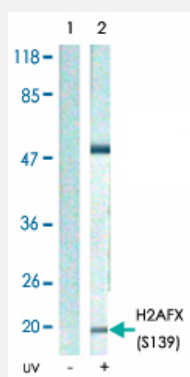


# H2AFX (phospho S139) polyclonal antibody

Catalog # PAB25854

Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of extracts from 293T cells untreated or treated with UV using H2AFX (phospho S139) polyclonal antibody (Cat # PAB25854).

## Specification

|                      |   |
|----------------------|---|
| Product Description  | Rabbit polyclonal antibody raised against synthetic phosphopeptide of H2AFX.                      |
| Immunogen            | Synthetic phosphopeptide corresponding to residues surrounding S139 of human H2AFX.               |
| Sequence             | Q-A-Sp-Q-E  |
| Host                 | Rabbit  |
| Theoretical MW (kDa) | 15  |
| Reactivity           | Human   |
| Form                 | Liquid  |
| Purification         | Affinity chromatography   |
| Concentration        | 1 mg/mL   |
| Recommend Usage      | Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |

|                            |  |
|----------------------------|--|
| <b>Storage Buffer</b>      | In PBS (without $Mg^{2+}$ and $Ca^{2+}$ ), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)                      |
| <b>Storage Instruction</b> | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.   |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Western Blot (Cell lysate)

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## Gene Info — H2AFX

|                           |   |
|---------------------------|---|
| <b>Entrez GeneID</b>      | <a href="#">3014</a>  |
| <b>Protein Accession#</b> | <a href="#">P16104</a>  |
| <b>Gene Name</b>          | H2AFX   |
| <b>Gene Alias</b>         | H2A.X, H2A/X, H2AX  |
| <b>Gene Description</b>   | H2A histone family, member X  |
| <b>Omim ID</b>            | <a href="#">601772</a>  |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>   |
| <b>Gene Summary</b>       | Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2A family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq] |
| <b>Other Designations</b> | H2AX histone  |

## Pathway

- [Systemic lupus erythematosus](#)

## Disease

- [Azoospermia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Oligospermia](#)
- [Ovarian cancer](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Urinary Bladder Neoplasms](#)