

# Product Datasheet

## Histone H2AX [p Ser139] Antibody [CoraFluor™ 1] NB100-384CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NB100-384CL1**

Histone H2AX [p Ser139] Antibody [CoraFluor™ 1]

| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 ml   |
| Concentration           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| Storage                 | Store at 4C in the dark. Do not freeze.  |
| Clonality               | Polyclonal   |
| Preservative            | No Preservative  |
| Isotype                 | IgG  |
| Conjugate               | CoraFluor 1  |
| Purity                  | Immunogen affinity purified  |
| Buffer                  | PBS  |
| Product Description     |  |
| Description             | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p><a href="#">CoraFluor(TM) 1, amine reactive</a></p> <p><a href="#">CoraFluor(TM) 1, thiol reactive</a></p> <p>For more information, please see our <a href="#">CoraFluor(TM) TR-FRET technology flyer</a>.</p> |
| Host                    | Rabbit   |
| Gene ID                 | 3014   |
| Gene Symbol             | H2AX   |
| Species                 | Human, Mouse, Rat, Canine  |
| Reactivity Notes        | Rat reactivity reported in scientific literature (PMID: 27102221), Canine reactivity reported in scientific literature (PMID: 23365434).   |
| Marker                  | DNA Double-strand break marker   |
| Specificity/Sensitivity | The epitope maps to a region surrounding phosphorylated serine 139 of human histone H2AX.  |
| Immunogen               | This Histone H2AX [p Ser139] Antibody was developed against to a region surrounding phosphorylated serine 139 of human histone H2AX [Swiss-Prot entry P16104] (GeneID 3014).   |
| Notes                   | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254  |

**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP), Knockout Validated |
| <b>Recommended Dilutions</b> | Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Chromatin Immunoprecipitation (ChIP), Knockout Validated |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-384CL1**

|            |  |
|------------|--|
| NBP1-42464 | Recombinant Human Histone H2AX His Protein |
| DYC2288-2  | Histone H2AX [p Ser139] [Biotin]           |
| NB100-304  | 53BP1 Antibody - BSA Free                  |
| AF835      | Caspase-3 Antibody [Unconjugated] - Active |

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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