Phospho-Histone H2AX-S139 Monoclonal Antibody

CABP0687

Description

This Phospho-Histone H2AX-S139 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0687
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	H2A.X, H2A/X, H2AFX, Phospho-Histone H2AX-S139
Clone:	ARC0110
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	3014
Uniprot:	AB_2863808
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	15 kDa
Calculated MW:	15 kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.
Store Bradford Reagent at Room Temperature for 1 Year.

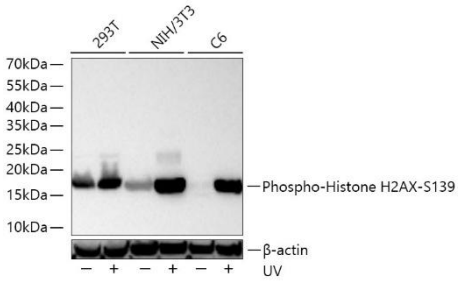
Positive Sample: 293T treated with UV, NIH/3T3 treated with UV, C6 treated with UV

Recommended Dilutions:

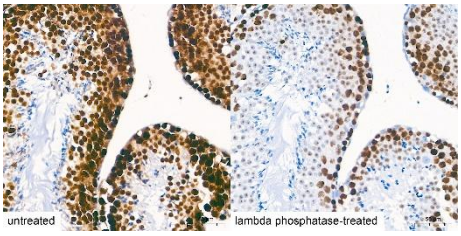
WB	1:7000 - 1:39000
IHC-P	1:500 - 1:2000
IF/ICC	1:1000 - 1:5000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

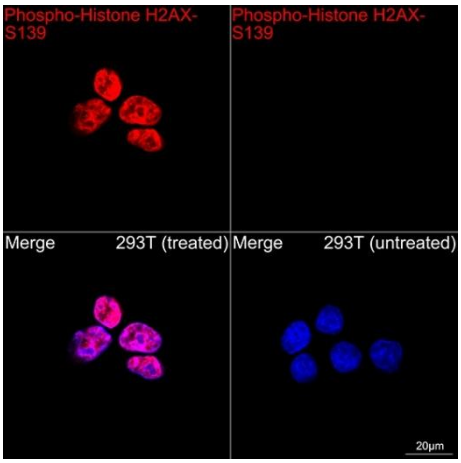
Validation Data



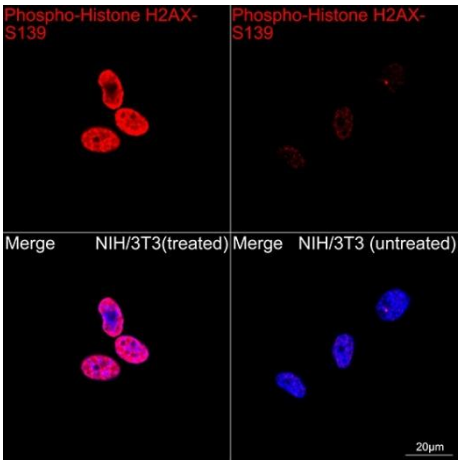
Western blot analysis of various lysates using Phospho-Histone H2AX- Rabbit mAb (CABP0687) at 1:7000 dilution incubated overnight at 4°C. 293T,NIH/3T3 and cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 20 s.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Phospho-Histone H2AX- Rabbit mAb (CABP0687) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Confocal imaging of 293T cells (treated with UV) and 293T cells (untreated) using Phospho-Histone H2AX-Rabbit mAb (CABP0687, dilution 1:5000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NIH/3T3 cells (treated with UV) and NIH/3T3 cells (untreated) using Phospho-Histone H2AX- Rabbit mAb (CABP0687, dilution 1:5000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.