



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Histone H2a.x (S140) Blocking Peptide

### BACKGROUND

This peptide is the immunogen used to make Cat # X2754P.

Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. Required for checkpoint-mediated arrest of cell cycle progression in response to low doses of ionizing radiation and for efficient repair of DNA double strand breaks (DSBs) specifically when modified by C-terminal phosphorylation.

### ORDERING INFORMATION

#### CATALOG NUMBER

X2769B

#### SIZE

50  $\mu$ g

#### CUSTOMER STORAGE

Product should be stored at -20°C.  
Aliquot to avoid freeze/thaw cycles

#### FORMULATION

Provided as solution in phosphate buffered saline with 0.08% sodium azide

#### SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

#### STABILITY

Products are stable for one year from purchase when stored properly

### COMMENTS

Optimal concentration should be evaluated by serial dilutions.

### INSTRUCTIONS

Use: Incubate antibody neat with at least a 50 fold stoichiometric excess of blocking peptide at 37°C for 20 minutes (molecular weights of peptide and antibody are ~2.5 kDa and ~160 kDa, respectively). Antibody can then be diluted to a concentration suitable for Western blot.

Example: 10  $\mu$ l or 10  $\mu$ g of Exalalpha's rabbit anti-Histone H2a.x (S140) (Cat. No. X2754P) is added to 10  $\mu$ g of blocking peptide for a total volume of 20  $\mu$ l. The mixture is allowed to incubate for 20 minutes at 37°C prior to dilution in suitable buffer (for Western blot, etc.).