

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-Phospho-Histone H2A.X (Ser139)



Numéro de catalogue: 29380-1-AP

## Informations de base

<b>Numéro de catalogue:</b> 29380-1-AP	<b>Numéro d'acquisition GenBank:</b> BC013416	<b>Méthode de purification:</b> Purification par affinité contre l'antigène
<b>Taille:</b> 100ul , Concentration: 400 µg/ml by Nanodrop;	<b>Identification du gène (NCBI):</b> 3014	<b>Dilutions recommandées:</b> WB 1:500-1:3000
<b>Hôte:</b> Lapin	<b>Nom complet:</b> H2A histone family, member X	
<b>Isotype:</b> IgG	<b>MW calculé:</b> 15 kDa	
	<b>MW observés:</b> 15 kDa	

## Applications

<b>Applications testées:</b> WB, ELISA	<b>Contrôles positifs:</b> WB : UV treated HEK-293 cells,
<b>Spécificité de l'espèce:</b> Humain	

## Informations générales

The histone variant H2AX is a major component of the DNA damage response (DDR), especially functioning in amplifying DNA damage signals. In response to DNA double-strand breaks (DSBs), H2AX is instantaneously phosphorylated at Ser139 (a form called  $\gamma$ H2AX) by the kinases ATM and ATR and is progressively dephosphorylated at Tyr143 by the Eya1 and Eya3 tyrosine phosphatases, resulting in a temporal switch from a postulated diphosphorylated (pSer140, pTyr143) to monophosphorylated (pSer139) H2AX state. Because phosphorylation of H2AX at Ser 139 ( $\gamma$ -H2AX) is abundant, fast, and correlates well with each DSB, it is the most sensitive marker that can be used to examine the DNA damage produced and the subsequent repair of the DNA lesion. The phosphorylation site of H2AX, Ser140, has also been described as Ser139 in other literature, and they recognize the same amino acid site. (PMID: 22908299, PMID: 17615256, PMID:22941631)

## Stockage

**Stockage:**  
Stocker à -20°C. Stable pendant un an après l'expédition.  
**Tampon de stockage:**  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

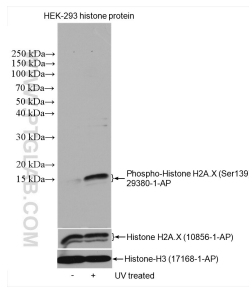
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## Données de validation sélectionnées



Non-treated and UV treated HEK-293 cells were subjected to SDS PAGE followed by western blot with 29380-1-AP (Phospho-Histone H2A.X (Ser139) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Histone H2A.X antibody and Histone H3 antibody as loading control.