

# His2Av (phospho S137) polyclonal antibody

Catalog # PAB9920      Size 100 ug

## Applications

### Western Blot (Tissue lysate)



Western blot using His2Av (phospho S137) polyclonal antibody (Cat # PAB9920) shows detection of aband at ~ 15 KDa corresponding to Phospho-His2Av S137 (Lane 2 arrow-head).

Lanes contain either mock-irradiated (Lane 1) or 4000-RAD gamma irradiated (Lane 2) Drosophila melanogaster (3rd instar) larvae brainWC lysate separated on by SDS-PAGE and transferred to nitrocellulose.

After blocking the membrane was probed with the primary antibody diluted to 1 : 500.

Washes and reaction with secondary antibody followed incubation. Use HRP conjugated Gt-a-Rabbit IgG [H&L] MX and ECL for detection. Personal Communication. Yikang Rong, NIH, CCR, Bethesda, MD.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic phsphopeptide of His2Av.
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to residues surrounding S137 of drosophila His2Av.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Fruit fly
<b>Specificity</b>	Reactivity occurs against Drosophila H2AvD pS137 protein and This antibody is specific to the phos phorylated form of the protein. Reactivity with non-phosphorylated Drosophila H2AvD is minimal by E LISA.
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.

<b>Recommend Usage</b>	ELISA (1:4000-1:16000) Western Blot (1:400-1:1600) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. 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.

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- Enzyme-linked Immunoabsorbent Assay

## Gene Info — His2Av

<b>Entrez GeneID</b>	<a href="#">43229</a>
<b>Protein Accession#</b>	<a href="#">S08118;P08985;NP_524519</a>
<b>Gene Name</b>	His2Av
<b>Gene Alias</b>	CG5499, H2A.X, H2A.Z, H2AV, H2AX, H2AZ, H2AvD, His2AvD, I(3)05146, I(3)810, I(3)97Dd, I(3)L1602
<b>Gene Description</b>	Histone H2A variant
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Other Designations</b>	H2A variant Histone H2A variant CG5499-PA histone

## Publication Reference

- [A deficiency screen for dominant suppressors of telomeric silencing in Drosophila.](#)

Mason JM, Ransom J, Konev AY.

Genetics 2004 Nov; 168(3):1353.

- [Activation of the cAMP/PKA signaling pathway is required for post-ecdysial cell death in wing epidermal cells of Drosophila melanogaster.](#)

Kimura K, Kodama A, Hayasaka Y, Ohta T.

Development 2004 Apr; 131(7):1597.

- [DNA double-strand break-induced phosphorylation of Drosophila histone variant H2Av helps prevent radiation-induced apoptosis.](#)

Madigan JP, Chotkowski HL, Glaser RL.

Nucleic Acids Research 2002 Sep; 30(17):3698.

Application: WB-Ce, Drosophila, S2 cells