

Datasheet for ABIN550420
anti-H2AFV antibody (pSer137)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	H2AFV
Binding Specificity:	pSer137
Reactivity:	Drosophila melanogaster
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic phsphopeptide of His2Av.
Immunogen:	Synthetic phosphopeptide corresponding to residues surrounding S137 of drosophila His2Av.
Specificity:	Reactivity occurs against Drosophila H2AvD pS137 protein and This antibody is specific to the phosphorylated form of the protein. Reactivity with non-phosphorylated Drosophila H2AvD is minimal by ELISA.
Cross-Reactivity:	Drosophila melanogaster
Characteristics:	Antibody Reactive Against Synthetic Peptide.

Target Details

Target:	H2AFV
Alternative Name:	Histone H2A.v (H2AFV Products)

Target Details

Gene ID: 43229

Application Details

Application Notes: ELISA (1:4000-1:16000)
Western Blot (1:400-1:1600)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 20 mM KH_2PO_4 , 150 mM NaCl, pH 7.2 (0.01 % sodium azide)

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Kimura, Kodama, Hayasaka, Ohta: "Activation of the cAMP/PKA signaling pathway is required for post-ecdysial cell death in wing epidermal cells of *Drosophila melanogaster*." in: **Development (Cambridge, England)**, Vol. 131, Issue 7, pp. 1597-606, (2004) ([PubMed](#)).

Mason, Ransom, Konev: "A deficiency screen for dominant suppressors of telomeric silencing in *Drosophila*." in: **Genetics**, Vol. 168, Issue 3, pp. 1353-70, (2004) ([PubMed](#)).

Madigan, Chotkowski, Glaser: "DNA double-strand break-induced phosphorylation of *Drosophila* histone variant H2Av helps prevent radiation-induced apoptosis." in: **Nucleic acids research**, Vol. 30, Issue 17, pp. 3698-705, (2002) ([PubMed](#)).



Western Blotting

Image 1. Western blot using His2Av (phospho S137) polyclonal antibody shows detection of a band 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 brain 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 Goat-Rabbit IgG [H&L] MX and ECL for detection. Personal Communication. Yikang Rong, NIH, CCR, Bethesda, MD.