

Product Datasheet

Histone H2AX [p Ser139] Antibody (EP854(2)Y) NB100-79967

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB100-79967

Histone H2AX [p Ser139] Antibody (EP854(2)Y)

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	EP854(2)Y
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	59% PBS (pH 7.2), 0.05% BSA and 40% Glycerol
Target Molecular Weight	15 kDa
Product Description	
Host	Rabbit
Gene ID	3014
Gene Symbol	H2AX
Species	Human, Mouse, Rat
Marker	DNA Double-strand break marker
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding serine 139 of human H2A.x protein.
Notes	Licensed to Novus Biologicals LLC under U.S. Patent Nos. 6,362,317 and 6,884,873. Manufactured incorporating RabMab® technology under Epitomics US patents, No 5675,063 and 7,429,487, owned by Abcam.
Product Application Details	
Applications	Western Blot, Chromatin Immunoprecipitation, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-10000, Chromatin Immunoprecipitation 1:10-1:500, Flow Cytometry 1:100, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:50-100, Immunoprecipitation 1:40, Immunohistochemistry-Paraffin 1:50-100, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	In research publications, this product has been cited for ChIP (PMID: 20360682) and Immunocytochemistry/Immunofluorescence (PMID: 22278880) applications. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 24509083). Use in Immunoprecipitation reported in scientific literature (PMID 24449872).



Publications

Sato Y, Kubo S, Takemura S et al. Different carcinogenic process in cholangiocarcinoma cases epidemically developing among workers of a printing company in Japan *Int J Clin Exp Pathol* 2014-09-09 [PMID: 25197345]

Nakanuma Y, Kakuda Y, Uesaka K et al. Characterization of intraductal papillary neoplasm of bile duct with respect to histopathological similarities to pancreatic intraductal papillary mucinous neoplasm. *Gut Liver* 2019-04-15 [PMID: 30982236]

Torres-Querol C, Torres P, Vidal N Et al. Acute ischemic stroke triggers a cellular senescence-associated secretory phenotype *Scientific reports* 2021-08-03 [PMID: 34344977] (IHC-Fr, Mouse)

Kim DE, Dolle MET, Vermeij WP et al. Deficiency in the DNA repair protein ERCC1 triggers a link between senescence and apoptosis in human fibroblasts and mouse skin *Aging Cell* 2019-11-18 [PMID: 31737985]

Wang BY, Liao ML, Hong GC et al. Near-Infrared-Triggered Photodynamic Therapy toward Breast Cancer Cells Using Dendrimer-Functionalized Upconversion Nanoparticles *Nanomaterials (Basel)* 2017-09-11 [PMID: 28892021] (IHC-P, Mouse)

Dai MS, Hall SJ, Vantangoli Policelli MM et al. Spontaneous testicular atrophy occurs despite normal spermatogonial proliferation in a Tp53 knockout rat *Andrology* 2017-08-22 [PMID: 28834365] (IHC-P, Rat)

Lu T, Zhang Y, Kidane Y et al. Cellular responses and gene expression profile changes due to bleomycin-induced DNA damage in human fibroblasts in space. *PLoS ONE*. 2017-03-01 [PMID: 28248986] (ICC/IF, Human)

Liu X, Liu F, Gao S et al. A single non-synonymous NCOA5 variation in type 2 diabetic patients with hepatocellular carcinoma impairs the function of NCOA5. *Cancer Letters* 2017-01-27 [PMID: 28137631] (ICC/IF, Human)

Sigl V, Owusu-Boaitey K, Joshi PA et al. RANKL/RANK control Brca1 mutation-driven mammary tumors. *Cell Res*. 2016-07-01 [PMID: 27241552] (IF/IHC, Mouse)

Magimaidas A, Madireddi P, Maifrede S et al. Gadd45b deficiency promotes premature senescence and skin aging. *Oncotarget*. 2016-05-10 [PMID: 27105496] (Mouse)

Nikitaki Z, Nikolov V, Mavragani IV et al. Measurement of complex DNA damage induction and repair in human cellular systems after exposure to ionizing radiations of varying linear energy transfer (LET). *Free Radic Res* 2016-11-01 [PMID: 27593437] (ICC/IF, Human)

Rao S, Tortola L, Perlot T et al. A dual role for autophagy in a murine model of lung cancer. *Nat Commun*. 2014-01-01 [PMID: 24445999] (IHC-P, Mouse)

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