Datasheet for ABIN7449557

anti-gamma H2AX antibody (Ser140)

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Overview

Quantity:	100 µg
Target:	gamma H2AX (GAMMA-H2AX)
Binding Specificity:	Ser140
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This gamma H2AX antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (fixed cells) (IF/ICC)

Product Details

Purpose:	Rabbit anti-gamma-H2AX Antibody, Affinity Purified
Immunogen:	surrounding serine 140
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	gamma H2AX (GAMMA-H2AX)
Alternative Name:	gamma-H2AX (GAMMA-H2AX Products)
Background:	Background: H2AX is a member of the histone H2A family. The four core histones involved in the formation of the nucleosome structure of compacted chromatin are H2A, H2B, H3, and H4.

Target Details

	H2AX may function to facilitate DNA repair, and recent studies have shown that H2AX is required for the maintenance of genomic stability. Gamma H2AX is the phosphorylated form of H2AX that results in response to DNA damage.
Gene ID:	3014
NCBI Accession:	NP_002096
UniProt:	P16104

Application Details

Application Notes:	ICC-IF: 1:500 - 1:5,000. Formaldehyde fixation is recommended. Permeabilization with Triton-X 100 is recommended for formaldehyde-fixed cells. IHC: 1:2,000 - 1:10,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. WB: 1:10,000 - 1:25,000
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % 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
Expiry Date:	12 months