



Anti-Histone H2AX Antibody

Alternative Names: gamma-H2AX, H2A, H2A.X

Catalogue Number: AA17-10037-50ug

Size: 50 µg

Background Information

Histone H2AX is expressed in all eukaryotic cells and in humans constitutes about 10% of the H2A histones in chromatin. It is a 15 kDa variant of Histone H2 required for the repair of double-stranded DNA breaks. In response to DNA double-strand break formation it is phosphorylated in the position of Ser139 producing gamma-H2AX. Histone H2AX is a substrate of several phosphoinositide 3-kinase-related protein kinases (PIKKs), such as ATM (ataxia teleangiectasia mutated), ATR (ATM and Rad3-related), or DNA-dependent protein kinase (DNA-PK).

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human
Immunogen:	Full length recombinant human Histone H2AX		
Format:	50 µg in 100 µl PBS containing 0.05% BSA and 0.05% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB WB: 2-4 µg/ml		

Additional Information

Subcellular location:	Nucleus	MW:	15kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	3014	Uniprot ID:	P16104