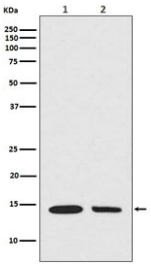
Hydroxyl-Histone H2A Antibody (Tyr39) [clone DED-8] (RQ5086)

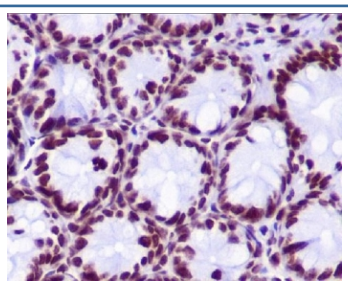
Catalog No.	Formulation	Size
RQ5086	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

Availability	1-2 weeks
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	DED-8
Purity	Affinity purified
UniProt	P04908
Applications	Western Blot : 1:500-1:2000 Immunohistochemistry (FFPE) : 1:500-1:2000
Limitations	This hydroxyl-Histone H2A antibody (Tyr39) is available for research use only.



Western blot testing of 1) mouse NIH3T3 and 2) human A549 cell lysate with hydroxyl-Histone H2A antibody (Tyr39). Predicted molecular weight ~14 kDa.



IHC staining of FFPE mouse colon tissue with hydroxyl-Histone H2A antibody (Tyr39). HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.

Description

Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability. DNA accessibility is regulated via a complex set of post-translational modifications of histones, also called histone code, and nucleosome remodeling. [UniProt]

Application Notes

Optimal dilution of the hydroxyl-Histone H2A antibody (Tyr39) should be determined by the researcher.

Immunogen

A synthetic peptide specific to human Histone H2A (surrounding hydroxylated tyrosine 39) was used as the immunogen for the hydroxyl-Histone H2A antibody.

Storage

Store the hydroxyl-Histone H2A antibody (Tyr39) at -20oC.