

# Anti-Macro H2A.1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R013178

## Product Information

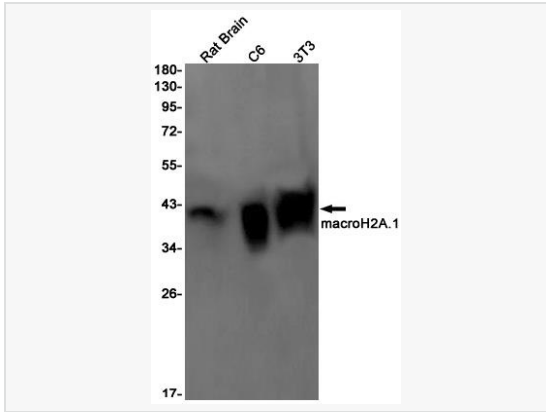
Application	WB, ICC/IF (Cell), ELISA
Reactivity	Rat, Mouse
Dilution	WB 1:500~1:1,000; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	91M69L34
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human macroH2A.1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Macro H2A.1 antibody [91M69L34] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

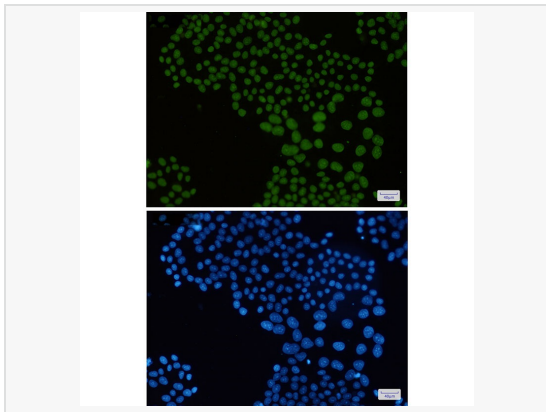
Synonyms	H2Ay, H2A/y, mH2A1, H2AF12M, MACROH2A11, macroH2A12.
Calculated MW	Calculated MW: 40 kDa; Observed MW: 40 kDa
Uniprot ID	O75367
Gene ID	9555
Background	Involved in stable X chromosome inactivation. Inhibits the binding of transcription factors and interferes with the activity of remodeling SWI/SNF complexes. Inhibits histone acetylation by EP300 and recruits class I HDACs, which induces an hypoacetylated state of chromatin.

## Validation Images

---



Western blot analysis of macroH2A.1 in rat Brain, C6, 3T3 lysates using Macro H2A.1 antibody.



Immunocytochemistry analysis of macroH2A.1 (green) in HeLa using macroH2A.1 antibody and DAPI (blue)