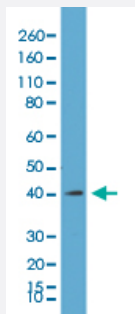


RecomAb™

Histone macroH2A1 monoclonal antibody, clone RM248

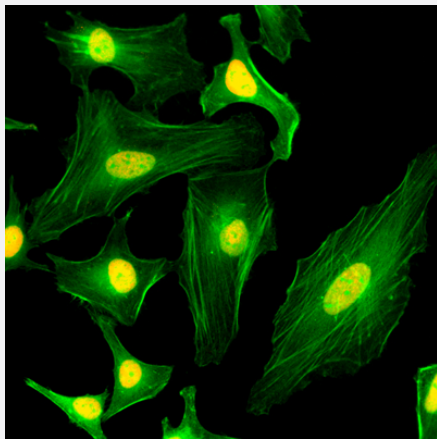
Catalog # MAB15117 Size 100 ug

Applications



Western Blot (Cell lysate)

Western Blot analysis of acid extracts of K562 cell with Histone macroH2A1 monoclonal antibody, clone RM248 (Cat # MAB15117) at 1 ug/mL working concentration.



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone macroH2A1 monoclonal antibody, clone RM248 (Cat # MAB15117) (Red). Actin filaments were labeled with fluorescein phalloidin (Green).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone macroH2A1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to C-terminus of human Histone macroH2A1.
Sequence	N/A

Reactivity	Human
Specificity	This antibody reacts to the histone macroH2A1 protein, independent of post-translational modifications. No cross reactivity with other histone proteins.
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	ELISA (0.2-1 ug/mL) Immunocytochemistry (1-2 ug/mL) Multiplex (0.2-1 ug/mL) Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone macroH2A1 monoclonal antibody, clone RM248 (Cat # MAB15117) (Red). Actin filaments was labeled with fluorescein phalloidin (Green).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — H2AFY

Entrez GeneID	9555
Protein Accession#	O75367; Q9P0M6
Gene Name	H2AFY

Gene Alias	H2A.y, H2A/y, H2AF12M, H2AFJ, MACROH2A1.1, mH2A1, macroH2A1.2
Gene Description	H2A histone family, member Y
Omim ID	610054
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and participates in stable X chromosome inactivation. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]
Other Designations	histone macroH2A1.1 histone macroH2A1.2

Gene Info — H2AFY2

Entrez GeneID	55506
Protein Accession#	O75367; Q9P0M6
Gene Name	H2AFY2
Gene Alias	macroH2A2
Gene Description	H2A histone family, member Y2
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000019735 core histone macroH2A2.2

Pathway

- [Systemic lupus erythematosus](#)
- [Systemic lupus erythematosus](#)

Disease

- [Alzheimer Disease](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Invasiveness](#)
- [Prostatic Neoplasms](#)
- [Tobacco Use Disorder](#)