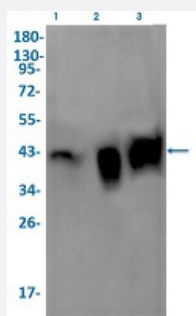


RecomAb™

MACROH2A1 recombinant monoclonal antibody, clone R04-8E5

Catalog # RAB02122 Size 100 uL

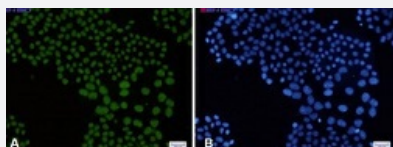
Applications



Western Blot

Western Blot analysis of Lane 1: rat Brain, Lane 2: C6 and Lane 3: 3T3 lysates with MACROH2A1 recombinant monoclonal antibody, clone R04-8E5 (Cat # RAB02122).

Immunocytochemistry



Immunocytochemical staining of HeLa with MACROH2A1 recombinant monoclonal antibody, clone R04-8E5 (Cat # RAB02122). (A) MACROH2A1 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human MACROH2A1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human MACROH2A1.
Theoretical MW (kDa)	Calculated MW: 40 kD
Reactivity	Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence(1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
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

Western Blot analysis of Lane 1: rat Brain, Lane 2: C6 and Lane 3: 3T3 lysates with MACROH2A1 recombinant monoclonal antibody, clone R04-8E5 (Cat # RAB02122).

- Immunocytochemistry

Immunocytochemical staining of Hela with MACROH2A1 recombinant monoclonal antibody, clone R04-8E5 (Cat # RAB02122). (A) MACROH2A1 (green) and (B) DAPI (blue).

- Immunofluorescence

Gene Info — H2AFY

Entrez GeneID	9555
Protein Accession#	O75367
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

Pathway

- [Systemic lupus erythematosus](#)

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)