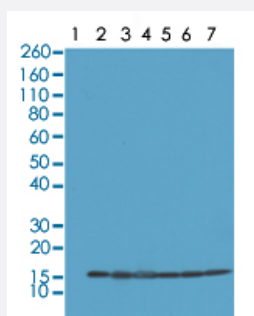


RecomAb™

Histone H2B monoclonal antibody, clone RM230

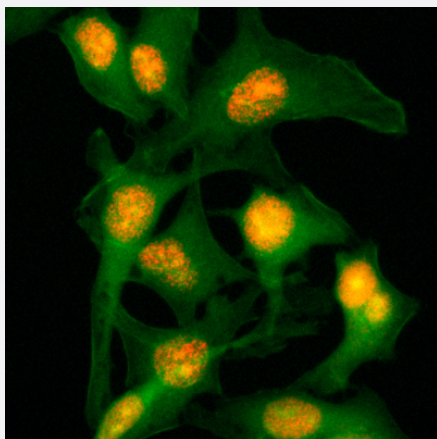
Catalog # MAB15119 Size 100 ug

Applications



Western Blot

Western blot analysis of Lane 1: recombinant Histone H2A, Lane 2: recombinant Histone H2B, Lane 3: HeLa, Lane 4: A375, Lane 5: SK-MEL-2, Lane 6: A431, Lane 7: K562 whole cell lysates with Histone H2B monoclonal antibody, clone RM230 (Cat # MAB15119) at 0.2 ug/mL working concentration.



Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone H2B monoclonal antibody, clone RM230 (Cat # MAB15119) (Red). Actin filaments were labeled with fluorescein phalloidin (Green).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human histone H2B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to C-terminus of human Histone H2B.
Sequence	N/A

Reactivity	Human
Form	Liquid
Purification	Protein A affinity purification
Isotype	IgG
Recommend Usage	ELISA (0.2-1 ug/mL) Immunocytochemistry (0.5-1 ug/mL) Multiplex (0.1-1 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

Western blot analysis of Lane 1: recombinant Histone H2A, Lane 2: recombinant Histone H2B, Lane 3: HeLa, Lane 4: A375, Lane 5: SK-MEL-2, Lane 6: A431, Lane 7: K562 whole cell lysates with Histone H2B monoclonal antibody, clone RM230 (Cat # MAB15119) at 0.2 ug/mL working concentration.

- Immunocytochemistry

Immunocytochemistry staining of HeLa cells with Histone H2B monoclonal antibody, clone RM230 (Cat # MAB15119) (Red). Actin filaments was labeled with fluorescein phalloidin (Green).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — HIST2H2BE

Entrez GeneID	8349
Protein Accession#	P06899
Gene Name	HIST2H2BE
Gene Alias	GL105, H2B, H2B.1, H2B/q, H2BFQ, MGC119802, MGC119804, MGC129733, MGC129734

Gene Description	histone cluster 2, H2be
Omim ID	601831
Gene Ontology	Hyperlink
Gene Summary	<p>Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, and H4) form an octamer, around which approximately 146 bp of DNA is wrapped in repeating units, called nucleosomes. The linker histone, H1, interacts with linker DNA between nucleosomes and functions in the compaction of chromatin into higher order structures. This gene encodes a member of the histone H2B family, and generates two transcripts through the use of the conserved stem-loop termination motif, and the polyA addition motif. [provided by RefSeq]</p>
Other Designations	H2B histone family, member Q OTTHUMP00000013920 histone 2, H2be

Publication Reference

- [Differential Expression of Multiple Disease-Related Protein Groups Induced by Valproic Acid in Human SH-SY5Y Neuroblastoma Cells.](#)

Tsung-Ming Hu, Hsiang-Sheng Chung, Lieh-Yung Ping, Shih-Hsin Hsu, Hsin-Yao Tsai, Shaw-Ji Chen, Min-Chih Cheng.

Brain Sciences 2020 Aug; 10(8):E545.

Application: WB-Ce, Human, SH-SY5Y cells

Pathway

- [Systemic lupus erythematosus](#)