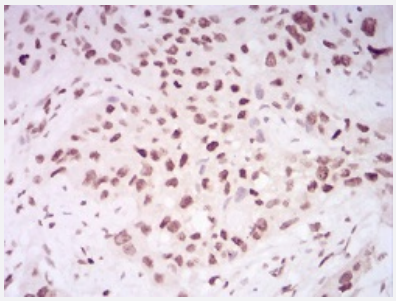
HIST2H4A(20Me) monoclonal antibody, clone 3E7D9

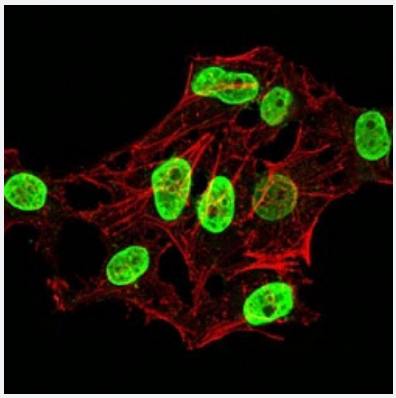
Catalog # MAB17141 Size 100 ug

Applications



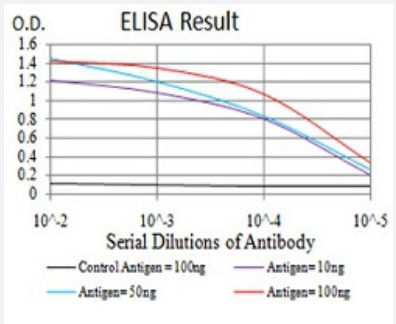
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded esophageal cancer tissues with HIST2H4A(20Me) monoclonal antibody.



Immunocytochemistry

Immunocytochemical staining of HeLa cells with HIST2H4A(20Me) monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of HIST2H4A(20Me) monoclonal antibody, clone 3E7D9.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human HIST2H4A(20Me).

Immunogen	A synthetic peptide corresponding to amino acid of human HIST2H4A(20Me).
Host	Mouse
Theoretical MW (kDa)	11.4kDa
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot Immunohistochemistry (1:200-1:1000) Immunocytochemistry (1:200-1:1000) Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded esophageal cancer tissues with HIST2H4A(20Me) monoclonal antibody.

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells with HIST2H4A(20Me) monoclonal antibody (green). DRAQ5 fluorescent DNA dye (blue). Actin filaments have been labeled with Alexa Fluor- 555 phalloidin (red).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis of HIST2H4A(20Me) monoclonal antibody, clone 3E7D9.

Gene Info — HIST2H4A

Entrez GeneID	8370
Gene Name	HIST2H4A

Gene Alias	FO108, H4, H4/n, H4F2, H4FN, HIST2H4
Gene Description	histone cluster 2, H4a
Omim ID	142750
Gene Ontology	Hyperlink
Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. This structure consists of approximately 146 bp of DNA wrapped ar ound a nucleosome, an 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, H 1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a member of the histone H4 family. Transcripts from this gene lack polyA t ails; instead, they contain a palindromic termination element. This gene is found in a histone clust er on chromosome 1. This gene is one of four histone genes in the cluster that are duplicated; this record represents the centromeric copy. [provided by RefSeq
Other Designations	H4 histone family, member N|H4 histone, family 2|OTTHUMP00000013906|OTTHUMP00000194 862|OTTHUMP00000194863|histone 2, H4a|histone IV, family 2

Pathway

- Systemic lupus erythematosus