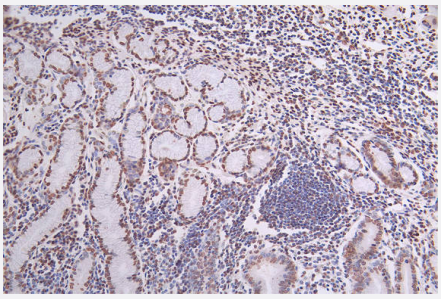
RecomAb™

H2AFX recombinant monoclonal antibody, clone 29H6

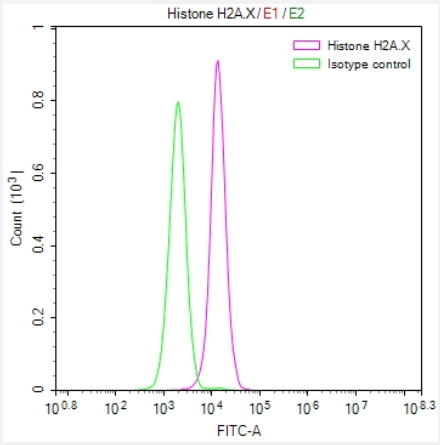
Catalog # RAB07703 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of H2AFX recombinant monoclonal antibody, clone 29H6 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.



Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with H2AFX recombinant monoclonal antibody, clone 29H6 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human H2AFX.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human H2AFX.
Reactivity	Human
Form	Liquid

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Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°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

  Immunohistochemistry image of H2AFX recombinant monoclonal antibody, clone 29H6 diluted at 1:50 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Flow Cytometry

  Overlay Peak curve showing HepG2 cells stained with H2AFX recombinant monoclonal antibody, clone 29H6 (red line) at 1:50.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — H2AFX

Entrez GeneID	3014
Protein Accession#	P16104
Gene Name	H2AFX
Gene Alias	H2A.X, H2A/X, H2AX
Gene Description	H2A histone family, member X
Omim ID	601772
Gene Ontology	Hyperlink

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Gene Summary	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chro mosomal fiber in eukaryotes. Two molecules of each of the four core histones (H2A, H2B, H3, an d 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 f unctions in the compaction of chromatin into higher order structures. This gene encodes a membe r of the histone H2A family, and generates two transcripts through the use of the conserved stem-l oop termination motif, and the polyA addition motif. [provided by RefSeq
Other Designations	H2AX histone

Pathway

- Systemic lupus erythematosus

Disease

- Azoospermia
- Breast cancer
- Breast Neoplasms
- DNA Damage
- Genetic Predisposition to Disease
- Lymphoma
- Oligospermia
- Ovarian cancer
- Prostate cancer
- Prostatic Neoplasms
- Urinary Bladder Neoplasms

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