

## Anti-H2AFY2/MACROH2A2 Antibody Picoband® APC Conjugated

Catalog Number: A09931-1-APC

### About MACROH2A2

Core histone macro-H2A.2 is a protein that in humans is encoded by the H2AFY2 gene. 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 replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and may participate in stable X chromosome inactivation.

### Overview

Product Name	Anti-H2AFY2/MACROH2A2 Antibody Picoband® APC Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9P0M6

### Technical Details

Immunogen	E.coli-derived human H2AFY2/MACROH2A2 recombinant protein (Position: D181-D340). Human MACROH2A2 shares 99.4% amino acid (aa) sequence identity with mouse MACROH2A2.
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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Anti-H2AFY2/MACROH2A2 Antibody - APC

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