



# Histone H3 Monoclonal Antibody



# A01070

## Product Information

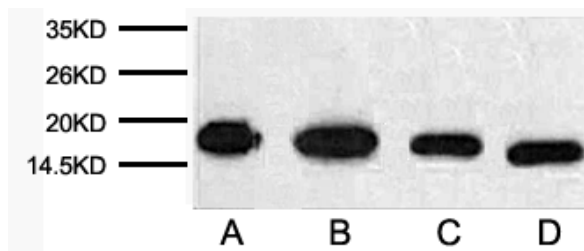
	<b>Product Name:</b> Anti-Histone H3 Mouse Monoclonal Antibody (2D10)		
	<b>Applications:</b> WB		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Human, Rat, Mouse		
<b>REF</b>	<b>Catalog Number:</b> A01070	<b>LOT</b>	<b>Lot Number:</b> Refer to vial
	<b>Formulation:</b> Liquid		<b>Size:</b> 50ul /200ul/1ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**Background:** Histone H3 is one of the five main histone proteins involved in the structure of chromatin in eukaryotic cells. Core component of nucleosome. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions for WB is 1:1,000-1:5,000.

**Storage Buffer:** PBS, pH 7.4, containing 0.02% sodium azide as preservative and 50% glycerol as stabilizer.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



**Fig.** WB analysis (1:2,000) of Histone H3 expression in HepG2 (line A), 293T (line B), Mouse brain tissue (line C) and rat brain tissue (line D) with Anti-Histone H3 Mouse Monoclonal Antibody (2D10).

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