

## MLH1 Antibody (YA703)

Cat. No.:	HY-P80753
Synonyms:	MLH1 Antibody (YA703) is a non-conjugated and Mouse originated monoclonal antibody about 85 kDa, targeting to MLH1 (4C1). It can be used for WB, ICC/IF assays with tag free, in the background of Human, Monkey.
Host:	Mouse
Reactivity:	Human, Monkey
Conjugation:	Non-conjugated
SwissProt ID:	P40692
Research Field:	Epigenetics and Nuclear Signaling
Molecular Weight:	Predicted band size: 85 kDa

### PROPERTIES

Formulation	Supplied in 1*PBS (pH 7.3), 50% glycerol and 0.5% BSA. Preservative: 0.02% sodium azide.	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IF	1:50-1:200
Shipping	Shipping with blue ice.	

### DESCRIPTION

Background	MLH1 (4C1): The protein encoded by this gene can heterodimerize with mismatch repair endonuclease PMS2 to form MutL alpha, part of the DNA mismatch repair system. When MutL alpha is bound by MutS beta and some accessory proteins, the PMS2 subunit of MutL alpha introduces a single-strand break near DNA mismatches, providing an entry point for exonuclease degradation. The encoded protein is also involved in DNA damage signaling and can heterodimerize with DNA mismatch repair protein MLH3 to form MutL gamma, which is involved in meiosis. This gene was identified as a locus frequently mutated in hereditary nonpolyposis colon cancer (HNPCC). [provided by RefSeq, Aug 2017]
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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