

## MSH6 (3E1) Mouse mAb



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## For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IHC-P, IF-IC	Reactivity:	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 160	Source/Isotype: Mouse IgG2a	UniProt ID: #P52701	Entrez-Gene Id 2956
Product Usage Information		Application Western Blotting Immunohistochemistry (Paraffin) Immunofluorescence (Immunocytochemistry)			<b>Dilution</b> 1:1000 1:250 - 1:1000 1:50 - 1:100	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
		For a carrier free (BSA and azide free) version of this product see product #98142.				
Specificity/Sensitivity		MSH6 (3E1) Mouse mAb recognizes endogenous levels of total MSH6 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a recombinant protein fragment specifi to human MSH6 protein expressed in <i>E.coli</i> .				
Background		nonidentical DNA sec types of DNA damage essential component surveillance complex the Rad50-Mre11-NB large proportion of h form of inherited colo	uences, and induce e (1). MSH2 (MutS ho of the mismatch re (BASC), a complex t S1 complex (2). Mut ereditary nonpolypo prectal cancer in the	repairs post-replication is both checkpoint and a smologue 2) forms the hoair process. hMutS-α is hat also contains BRCA1 ations in MSH6 and others is colorectal cancer (Ly) Western world (3). Mut ozolomide therapy and	poptotic responses MutS-α dimer with part of the BRCA1- , MLH1, ATM, BLM, er MMR proteins ha nch Syndrome), the ations in MSH6 hav	s following certain MSH6 and is an associated PMS2 proteins, and ve been found in a e most common e been shown to
Background References		1. O'Brien, V. and Brown, R. (2006) <i>Carcinogenesis</i> 27, 682-92. 2. Wang, Y. et al. (2000) <i>Genes Dev</i> 14, 927-39. 3. Plotz, G. et al. (2006) <i>J Mol Histol</i> 37, 271-83. 4. Yip, S. et al. (2009) <i>Clin Cancer Res</i> 15, 4622-9.				
Species Reactiv	rity	Species reactivity is d	etermined by testin	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				
Applications Key		<b>W:</b> Western Blotting <b>IHC-P:</b> Immunohistochemistry (Paraffin) <b>IF-IC:</b> Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human				
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