Monoclonal Mouse Antibody MSH6

Catalog No.:	Mob 429, Mob 429-05
Intended Use:	This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy. Clinical interpretation of staining results should be accompanied by histological studies with proper controls. Patients' clinical histories and other relevant diagnostic tests should be utilized by a qualified person(s) when evaluating and interpreting results.
Clone:	44
Immunogen:	Synthetic human MSH6 peptide.
Isotype:	IgG1
Format:	This antibody is supplied as affinity purified immunoglobulin liquid containing sodium azide as a preservative.
Titer/Working Dilution:	This antibody may be diluted to a titer of 1:25-1:50 using our PolyVue Secondary Detection System. The final dilution should be determined by the user based upon the staining conditions employed.
Staining Protocol:	We suggest an incubation period of thirty to sixty minutes at room temperature. Optimal incubation conditions should be determined by the user based upon the fixation conditions and staining system employed. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 1mM EDTA, pH 8.0 prior to immunostaining.
Positive Control:	Tonsil
Cellular Localization:	Nuclear
Specificity:	MSH6 is a heterodimer of MSH2 and binds to DNA containing G/T mismatches. The MSH2-MSH6 complex recognizes a single-based mispair insertion/deletion loop. An alteration of microsatellite repeats is the result of slippage owing to strand misalignment during DNA replication and is referred to as microsatellite instability. These defects in DNA repair pathways have been related to human carcinogenesis. Studies have shown the mutations of MLH1, MSH2 and MSH6 genes contribute to the development of sporadic colorectal carcinoma. Repair of mismatch DNA is essential to maintain the integrity of genetic information over time. This antibody cross reacts with mouse, rat, and dog MSH6.
Storage:	Store at 2-8°C. Do not use beyond the expiration date stated on the label.
References:	i) Frasno et al. Mod Pathol 11: 934, 1998. ii) Schleger et al. Exp Cell Res 236: 418, 1997.

IVD: For In Vitro Diagnostic Use

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