

Rabbit anti-MLH1 antibody, clone SQab1863 (monoclonal)

Clone no. SQab1863

MONOSAN

Product name	Rabbit anti-MLH1 antibody, clone SQab1863 (monoclonal)
Host	Rabbit
Applications	FC, ICC/IF, IHC-P
Species reactivity	Human
Conjugate	-
Immunogen	Synthetic peptide within aa. 400-500 of MLH1.
Isotype	-
Clonality	Monoclonal
Clone number	SQab1863
Size	100 ul
Concentration	n/a
Format	Purification with Protein A.
Storage buffer	PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA.
Storage until expiry date	-20°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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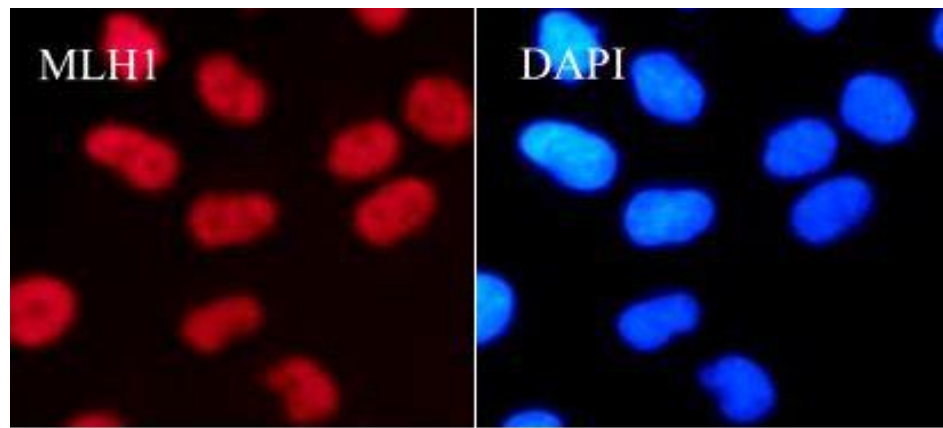
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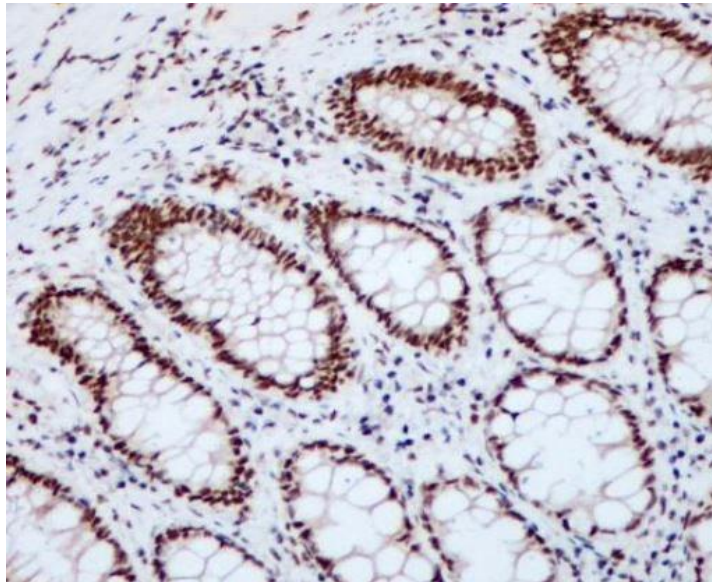
Additional info

Application note: IHC-P: Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. Storage instruction: For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. Background: MLH1 protein 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]

Images



Immunofluorescence: HeLa cells were fixed with 4% paraformaldehyde for 30 min at RT, permeabilized with 0.1% Triton X-100 for 10 min at RT then blocked with 10% goat serum for 30 min at RT. Cells were stained with anti-MLH1 antibody [SQab1863] (red) at 1:1000 and 4°C. DAPI



Immunohistochemistry: Formalin-fixed and paraffin-embedded Human colon tissue stained with anti-MLH1 antibody [SQab1863] at 1:200 dilution. Antigen Retrieval: Heat mediated was performed using Tris/EDTA buffer pH 9.0.

References

1. -
2. -
3. -
4. -
5. -

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