

10-7573: Monoclonal Antibody to MLH1 (Clone: ABM4D74)

| Clonality : | Monoclonal |
|-----------------------|--|
| Clone Name : | ABM4D74 |
| Application : | IHC |
| Reactivity : | Human |
| Gene : | MLH1 |
| Gene ID : | 4292 |
| Uniprot ID : | P40692 |
| Format : | Purified |
| Alternative Name : | MLH1,COCA2 |
| Isotype : | Mouse IgG2b |
| Immunogen Information | A partial length recombinant MLH1 protein (amino acids 289-492) was used as the immunogen for this antibody. |

Description

MutL homolog 1 (MLH1) is a member of mismatch repair genes (MMR) that plays a crucial role in correcting replication errors, cell cycle arrest, apoptosis and oxidative stress. MLH1 is a human homolog of the E.coli DNA mismatch repair gene. It mediates protein-protein interactions during mismatch recognition, strand discrimination, and strand removal. Diseases associated with MLH1 include colorectal cancer, hereditary nonpolyposis, type 2 and lynch syndrome.

Product Info

| Amount : | 25 µg / 100 µg |
|---------------------|---|
| Purification : | Protein G Chromatography |
| Content : | 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

Application Note

Immunohistochemical analysis: 5-10 µg/ml

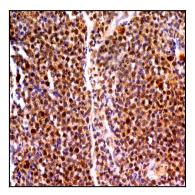


Fig-1: Immunohistochemical analysis of MLH1 in Lymphoma tissue using MLH1 antibody (Clone: ABM4D74) at 5 $\mu g/ml.$