

For Research Use Only

MSH2 Monoclonal antibody

Catalog Number: 60161-2-Ig



Basic Information

Catalog Number:

60161-2-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7835

GenBank Accession Number:

BC021566

GeneID (NCBI):

4436

UNIPROT ID:

P43246

Full Name:

mutS homolog 2, colon cancer,
nonpolyposis type 1 (E. coli)

Calculated MW:

105 kDa

Observed MW:

105 kDa

Purification Method:

Protein A purification

CloneNo.:

2E4A7

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:1000-1:4000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HeLa cells, COLO 320 cells, A431 cells, HuT 78
cells, MOLT-4 cells, K-562 cells

IHC : Ramos cells, human tonsillitis tissue

Background Information

MSH2, named for its homologous to the E.coli MutS gene, takes part in DNA mismatch repair(MMR) to maintain the stability of DNA. MSH2 contains a helix-turn-helix domain, which responds for binding to DNA. Also, MSH2 has a direct role in mutation avoidance and micro-satellite stability in cell.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

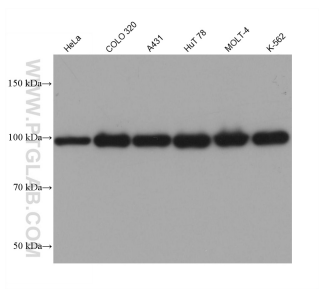
T: 4006900926

E: Proteintech-CN@ptglab.com

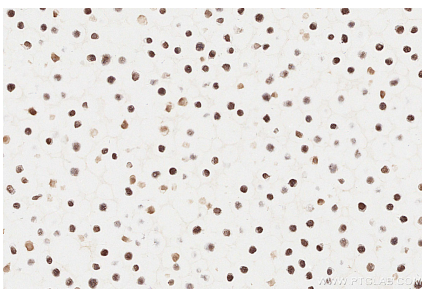
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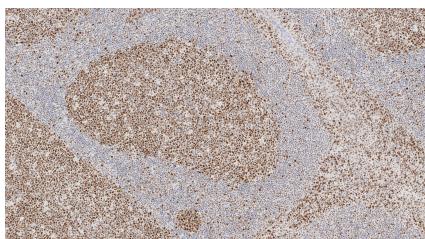
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60161-2-Ig (MSH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Ramos cells slide using 60161-2-Ig (MSH2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60161-2-Ig (MSH2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).