

For Research Use Only

# MSH2 Recombinant antibody, PBS Only

Catalog Number: 82775-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

82775-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**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:**

100 kDa-105 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

604

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human

## 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 -80°C.

**Storage Buffer:**

PBS Only

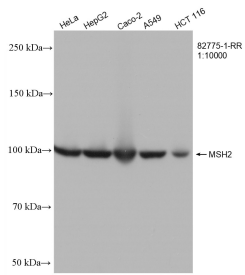
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

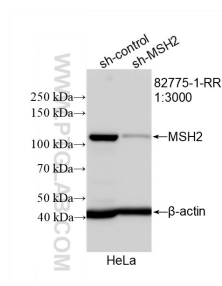
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

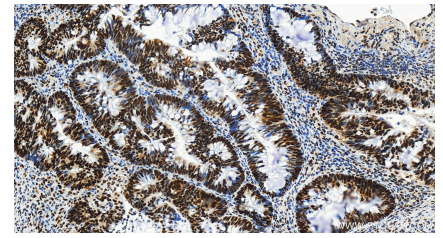
## Selected Validation Data



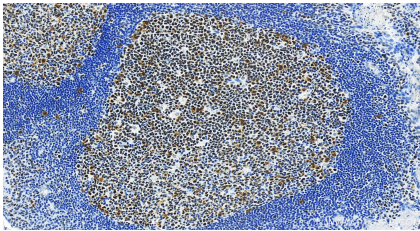
Various lysates were subjected to SDS PAGE followed by western blot with 82775-1-RR (MSH2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



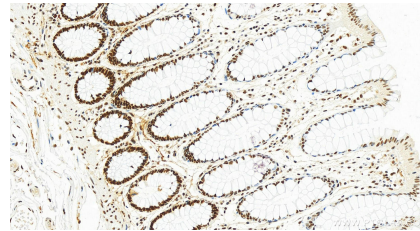
WB result of MSH2 antibody (82775-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MSH2 transfected HeLa cells. This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



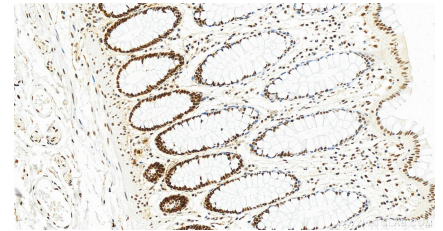
Immunohistochemical analysis of paraffin-embedded human colon cancer slide using 82775-1-RR (MSH2 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



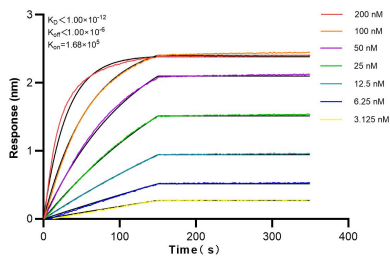
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 82775-1-RR (MSH2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 82775-1-RR (MSH2 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 82775-1-RR (MSH2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82775-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82775-1-RR against Human MSH2 were performed. The affinity constant is below 1 pM.