

MSH3 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein fragment corresponding to a region within amino acids 916 and 1137 of Human MSH3
Form	Liquid
Concentration	1.79 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2547303

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
ChIP assay (ChIP)	-	1 Publication

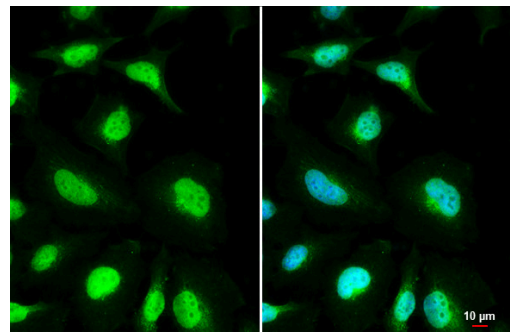
Product Specific Information

Recommended positive controls: A549, H1299.

Predicted reactivity: Human (99%), Mouse (83%), Rat (85%).

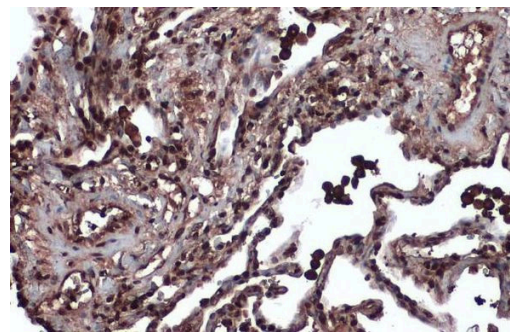
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For MSH3 Polyclonal Antibody



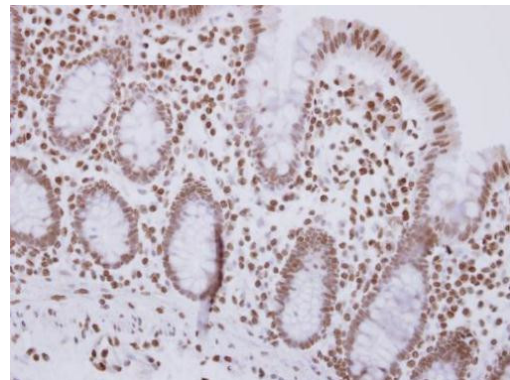
MSH3 Antibody (PA5-29829) in ICC/IF

MSH3 Polyclonal Antibody detects MSH3 protein at nucleus by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: MSH3 stained by MSH3 Polyclonal Antibody (Product # PA5-29829) diluted at 1:500. Blue: Fluoroshield with DAPI . Scale bar= 10 μm.



MSH3 Antibody (PA5-29829) in IHC (P)

Immunohistochemistry (Paraffin) analysis of MSH3 was performed in paraffin-embedded human lung cancer tissue using MSH3 Polyclonal Antibody (Product # PA5-29829) at a dilution of 1:600. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



MSH3 Antibody (PA5-29829) in IHC (P)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using MSH3 (Product # PA5-29829) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

[View more figures on thermofisher.com](#)

1 Reference

ChIP assay (1)

<p>Nature communications</p> <p>Distinct DNA repair pathways cause genomic instability at alternative DNA structures.</p> <p>"PA5-29829 was used in Chromatin immunoprecipitation to discover that Z-DNA is mutagenic in yeast as well as human cells and that the nucleotide excision repair complex, Rad10-Rad1(ERCC1-XPF), and the mismatch repair complex, Msh2-Msh3, are required for Z-DNA-induced genetic instability in yeast and human cells."</p> <p>Authors: McKinney JA,Wang G,Mukherjee A,Christensen L,Subramanian SHS,Zhao J,Vasquez KM</p>	<p>Year 2020</p> <p>Species Human</p>
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