

Product Datasheet

MSH2 Antibody (CL13764) - BSA Free NBP3-24574-100ul

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-24574-100ul

MSH2 Antibody (CL13764) - BSA Free

Product Information

Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL13764
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Protein A purified
Buffer	PBS, pH 7.2, 40% glycerol

Product Description

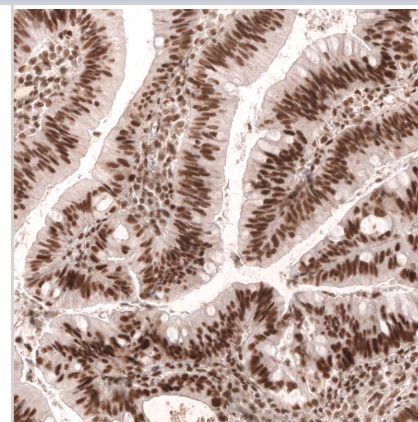
Description	Novus Biologicals Mouse MSH2 Antibody (CL13764) - BSA Free (NBP3-24574) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4436
Gene Symbol	MSH2
Species	Human
Immunogen	This antibody was developed using a synthetic peptide derived from P43246, with the exact immunogen sequence remaining proprietary.

Product Application Details

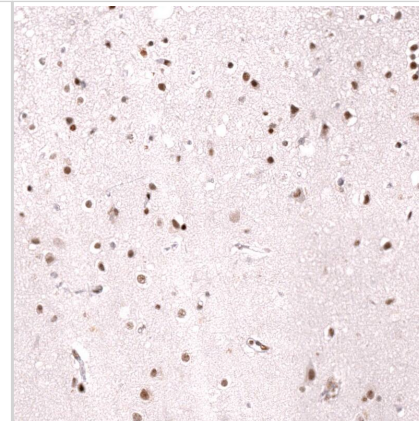
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, we recommend using Heat-Induced Epitope Retrieval (HIER) with a pH level of 6. This optimized retrieval method ensures the best results for your experiments, For ICC/IF, we recommend using a combination of PFA and Triton X-100. This will give you the optimal results for your experiments.

Images

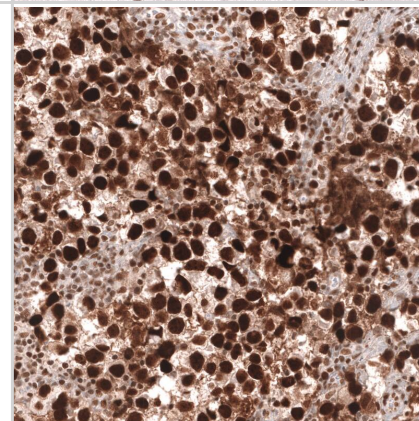
Staining of human colorectal cancer shows strong nuclear positivity in tumor cells.



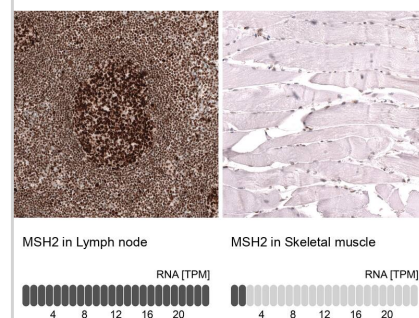
Staining of human cerebral cortex shows moderate to strong nuclear positivity in neurons.



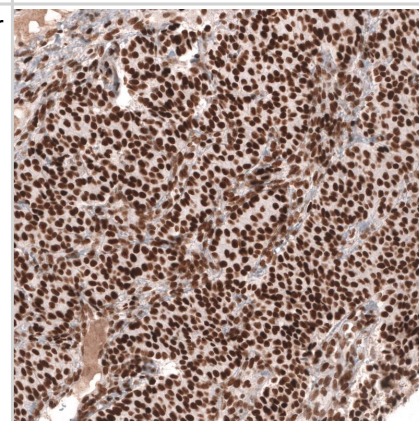
Staining of human testis cancer (seminoma) shows strong nuclear positivity in tumor cells.



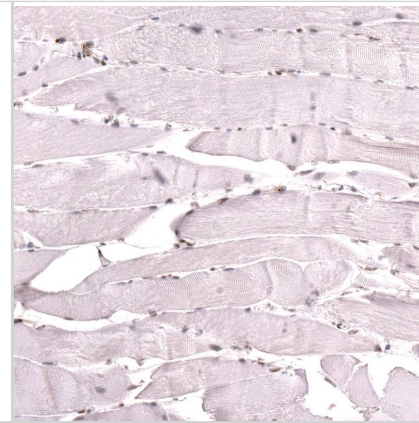
Analysis in human lymph node and skeletal muscle tissues using NBP3-24574 antibody. Corresponding MSH2 RNA-seq data are presented for the same tissues.



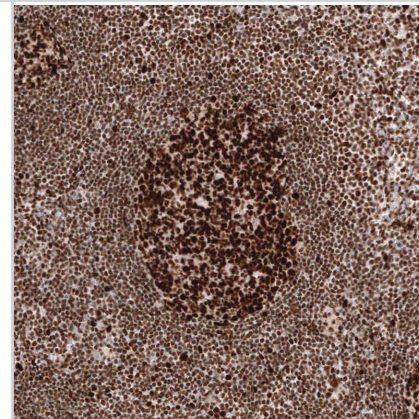
Staining of human ovarian cancer (sex cord tumor) shows strong nuclear positivity in tumor cells.



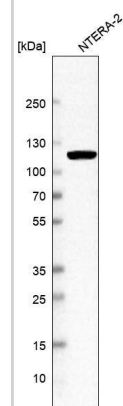
Staining of human skeletal muscle shows no positivity in myocytes as expected.



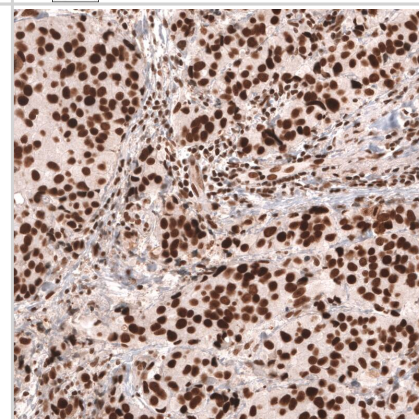
Staining of human lymph node shows strong nuclear positivity in germinal center cells.



Western blot analysis in human cell line NTERA-2.



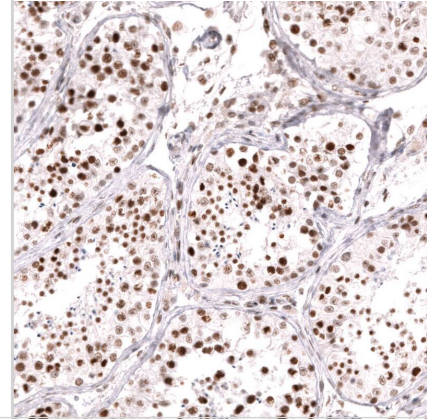
Staining of human breast cancer (ductal carcinoma) shows strong nuclear positivity in tumor cells.



Staining in NTERA-2 cell line with Anti-MSH2 monoclonal antibody, showing specific staining of nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).



Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



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Products Related to NBP3-24574-100ul

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
H00004436-P01-10ug	Recombinant Human MSH2 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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