

Product Datasheet

MSH2 Antibody (CL13764) - Azide and BSA Free NBP3-43853

Unit Size: 100 ug

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

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NBP3-43853

MSH2 Antibody (CL13764) - Azide and BSA Free

Product Information

Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL13764
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2b
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description

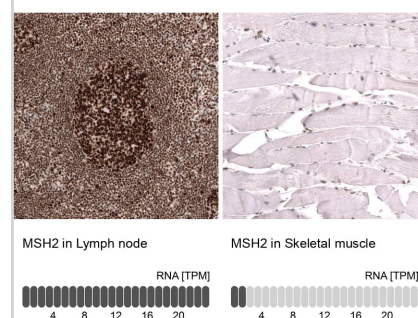
Host	Mouse
Gene ID	4436
Gene Symbol	MSH2
Species	Human
Immunogen	This antibody was generated using a synthetic peptide of P43246, with the exact immunogen sequence remaining proprietary.

Product Application Details

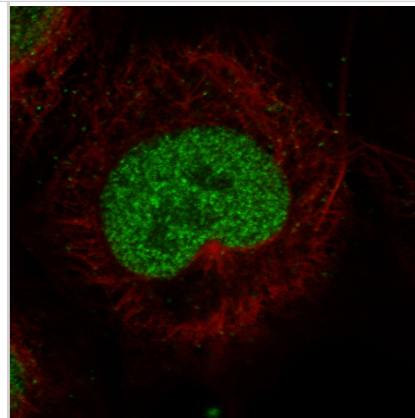
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, we recommend using Heat-Induced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

Images

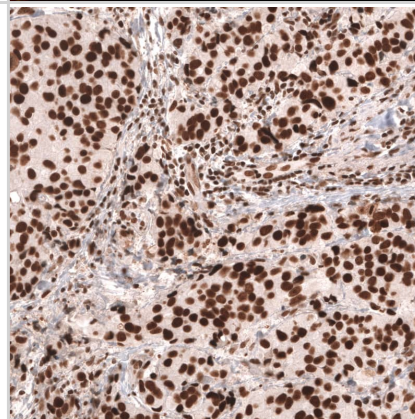
Analysis in human lymph node and skeletal muscle tissues using NBP3-43853 antibody. Corresponding MSH2 RNA-seq data are presented for the same tissues.



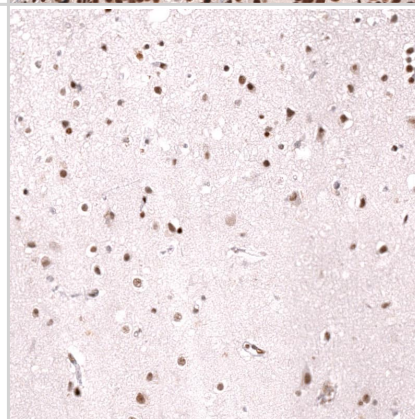
Staining in NTERA-2 cell line with Anti-MSH2 monoclonal antibody) .



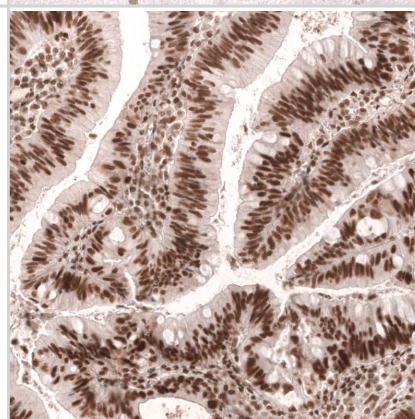
Staining of human breast cancer (ductal carcinoma) shows strong nuclear positivity in tumor cells.



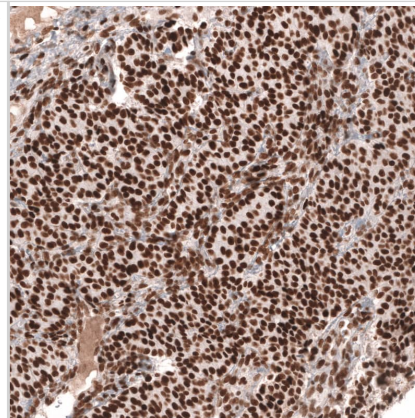
Staining of human cerebral cortex shows moderate to strong nuclear positivity in neurons.



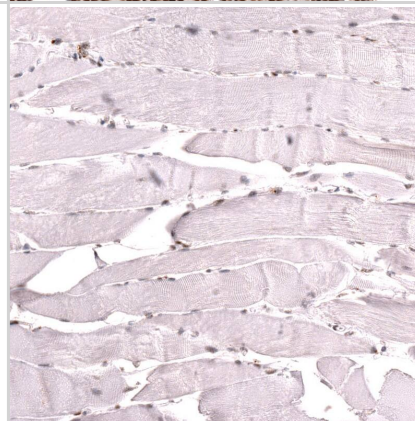
Staining of human colorectal cancer shows strong nuclear positivity in tumor cells.



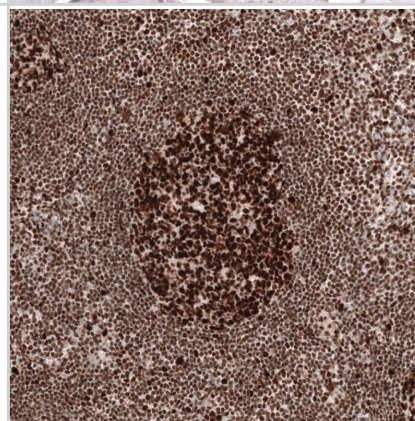
Staining of human ovarian cancer (sex cord tumor) shows strong nuclear positivity in tumor cells.



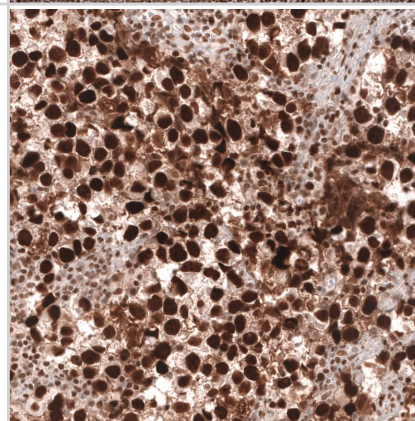
Staining of human skeletal muscle shows no positivity in myocytes as expected.



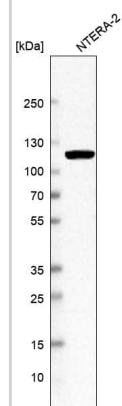
Staining of human lymph node shows strong nuclear positivity in germinal center cells.



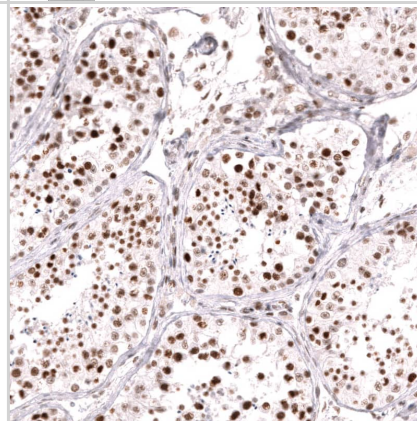
Staining of human testis cancer (seminoma) shows strong nuclear positivity in tumor cells.



Analysis in human cell line NTERA-2.



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





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Products Related to NBP3-43853

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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