

# Product Datasheet

## MLH3 Antibody (CL14096)

### NBP3-24597-100ul

Unit Size: 100 ul

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

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Updated 2/27/2025 v.20.1

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**NBP3-24597-100ul**

MLH3 Antibody (CL14096)

**Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	CL14096
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS, pH 7.2, 40% glycerol

**Product Description**

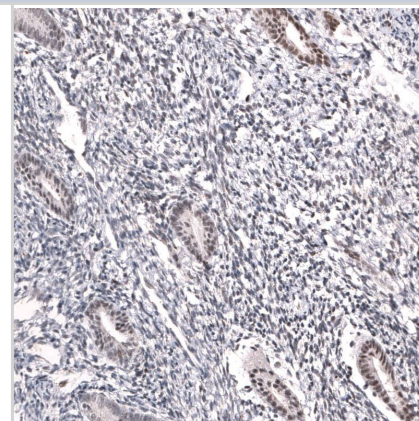
<b>Host</b>	Mouse
<b>Gene ID</b>	27030
<b>Gene Symbol</b>	MLH3
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed using a synthetic peptide derived from Q9UHC1, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

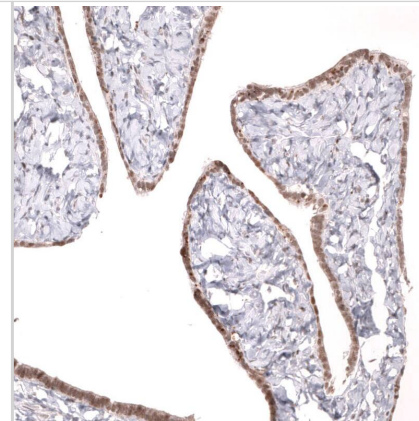
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1ug/ml, Immunohistochemistry 1:20-1:50, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:20-1:50
<b>Application Notes</b>	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**

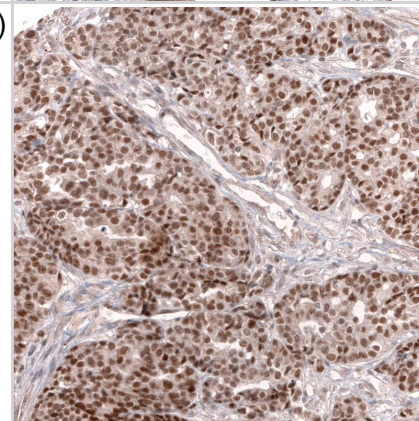
Staining of human endometrium shows moderate nuclear positivity in glandular cells.



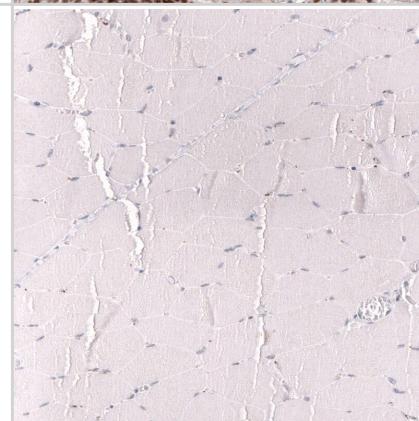
Staining of human fallopian tube shows moderate nuclear positivity in glandular cells.



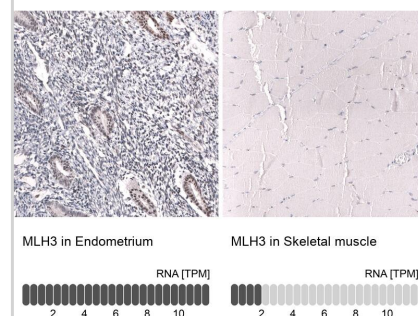
Staining of human ovarian cancer (high grade serous ovarian carcinoma) shows strong nuclear positivity in tumor cells.



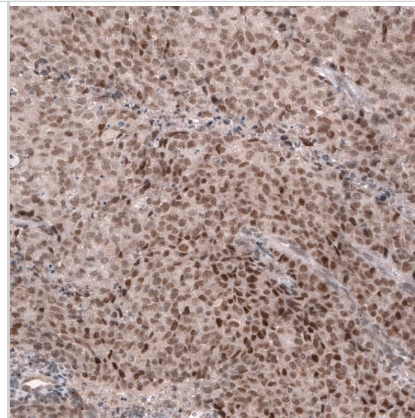
Staining of human skeletal muscle shows no positivity in myocytes as expected.



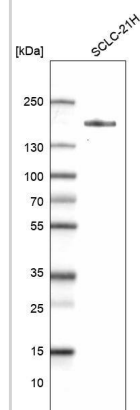
Analysis in human endometrium and skeletal muscle tissues using NBP3-24597 antibody. Corresponding MLH3 RNA-seq data are presented for the same tissues.



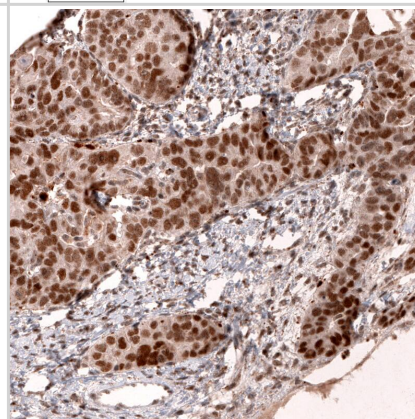
Staining of human endometrial cancer shows moderate nuclear positivity in tumor cells.



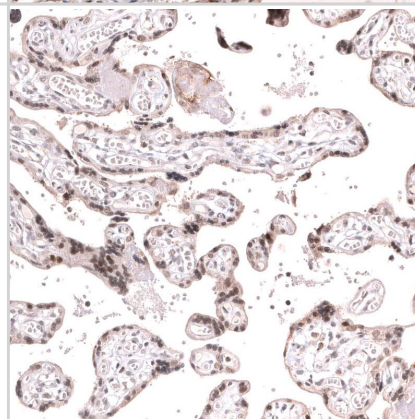
Western blot analysis in human cell line SCLC-21H.



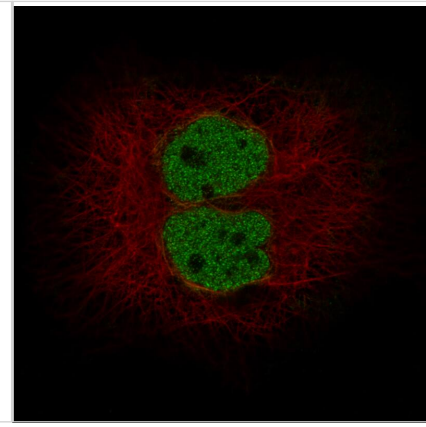
Staining of human ovarian cancer (papillary carcinoma) shows strong nuclear positivity in tumor cells.



Staining of human placenta shows moderate nuclear positivity in trophoblastic cells.



Staining in A-431 cell line with Anti-MLH3 monoclonal antibody, showing specific staining of nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue respectively (where available).







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### **Products Related to NBP3-24597-100ul**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-55958PEP	MLH3 Recombinant Protein Antigen

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### **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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