

# Product Datasheet

## **MCAM/CD146 Antibody (CL12855) - Azide and BSA Free NBP3-44171**

Unit Size: 100 ug

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

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**NBP3-44171**

MCAM/CD146 Antibody (CL12855) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ug
<b>Concentration</b>	LYOPH mg/ml
<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>	CL12855
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	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.
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

**Product Description**

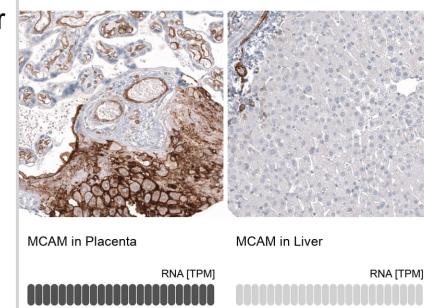
<b>Host</b>	Mouse
<b>Gene ID</b>	4162
<b>Gene Symbol</b>	MCAM
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of P43121, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

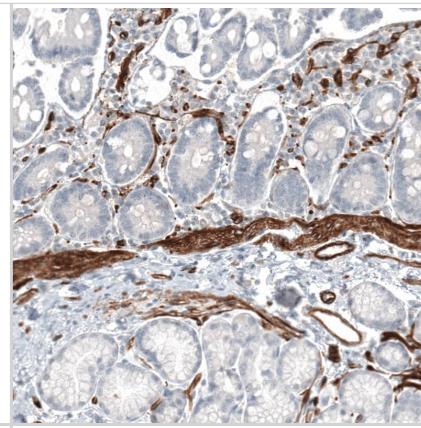
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin 1:1000 - 1:2500
<b>Application Notes</b>	For use with IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

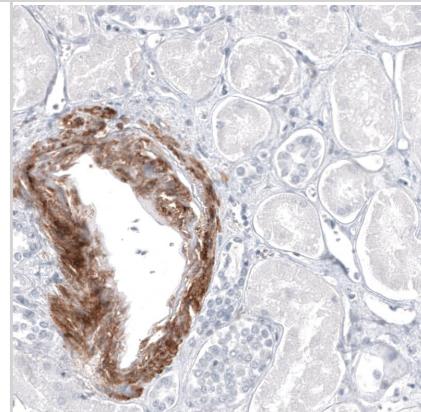
Analysis in human placenta and liver tissues using NBP3-44171 antibody. Corresponding MCAM/CD146 RNA-seq data are presented for the same tissues.



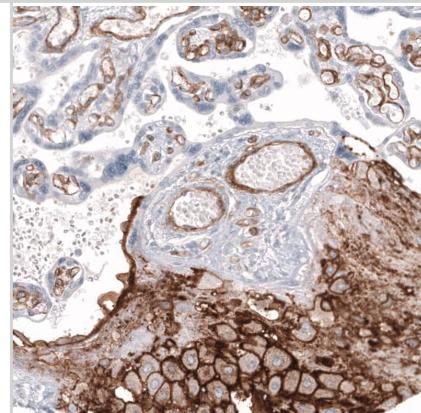
Staining of human duodenum shows strong cytoplasmic positivity in smooth muscle cells.



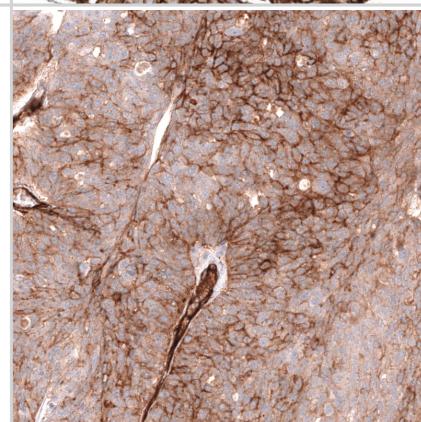
Staining of human kidney shows moderate positivity in blood vessels.



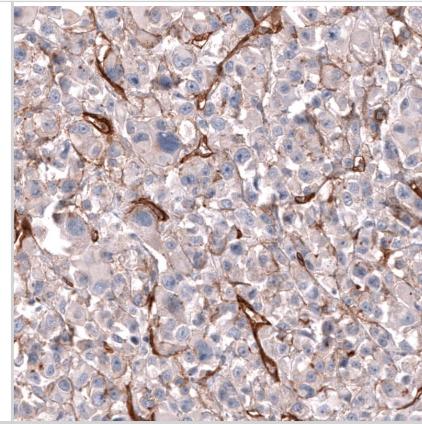
Staining of human placenta shows strong membranous positivity in decidual cells, as well as positivity in endothelial cells.



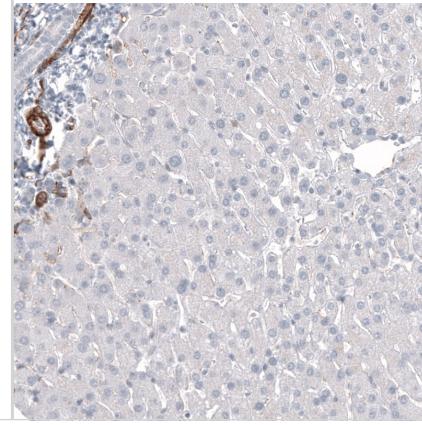
Staining of human ovarian cancer (high grade serous carcinoma) shows moderate to strong membranous positivity in tumor cells.



Staining of human malignant melanoma shows moderate membranous positivity in tumor cells.



Staining of human liver shows no positivity in hepatocytes as expected.





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## Products Related to NBP3-44171

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-88132PEP	MCAM/CD146 Recombinant Protein Antigen

## 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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