

# Product Datasheet

## Osteopontin/OPN Antibody (CL10686) - Azide and BSA Free NBP3-44052

Unit Size: 100 ul

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

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**NBP3-44052**

Osteopontin/OPN Antibody (CL10686) - Azide and BSA Free

**Product Information**

<b>Unit Size</b>	100 ul
<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>	CL10686
<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**

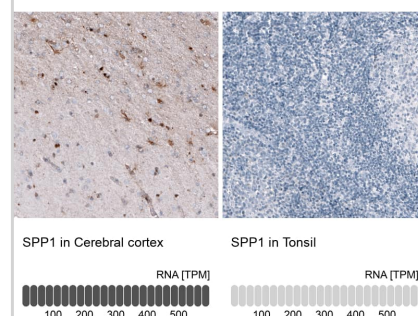
<b>Host</b>	Mouse
<b>Gene ID</b>	6696
<b>Gene Symbol</b>	SPP1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was generated using a recombinant protein sequence of P10451, with the exact immunogen sequence remaining proprietary.

**Product Application Details**

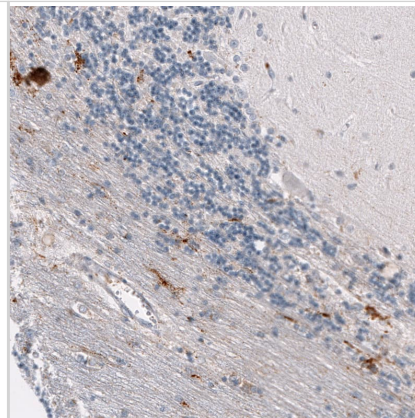
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

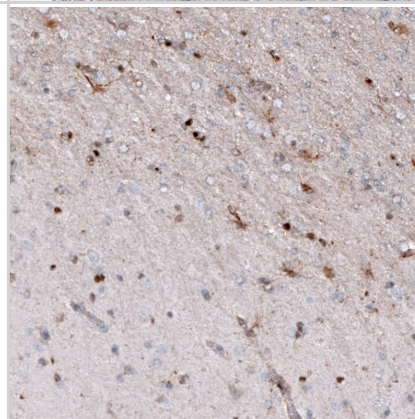
Analysis in human cerebral cortex and tonsil tissues using NBP3-44052 antibody. Corresponding Osteopontin/OPN RNA-seq data are presented for the same tissues.



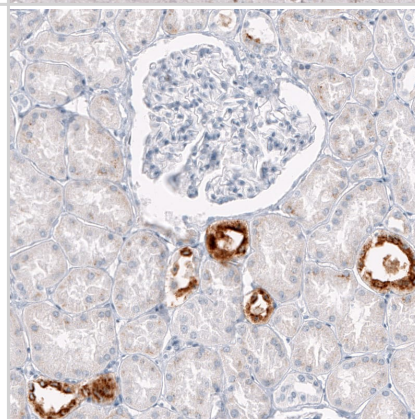
Staining of human cerebellum shows moderate cytoplasmic positivity in microglia.



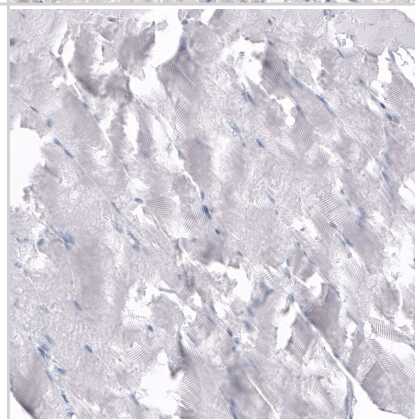
Staining of human cerebral cortex (Alzheimer disease) shows moderate cytoplasmic positivity in microglia.



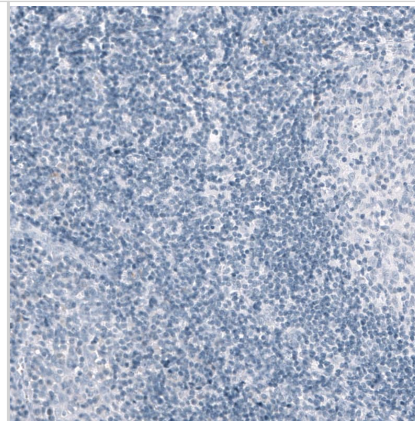
Staining of human kidney shows strong cytoplasmic positivity in cells in distal tubules.



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



Staining of human tonsil shows no positivity in non-germinal center cells as expected.





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### **Products Related to NBP3-44052**

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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)
NB600-1043PEP	Osteopontin/OPN Antibody Blocking Peptide

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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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