

# Product Datasheet

## Periostin/OSF-2 Antibody (CL12087) - Azide and BSA Free NBP3-44358

Unit Size: 100 ul

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

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**NBP3-44358**

Periostin/OSF-2 Antibody (CL12087) - Azide and BSA Free

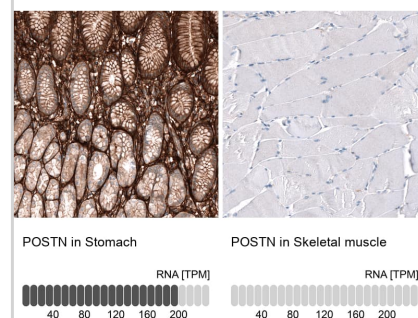
Product Information	
Unit Size	100 ul
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL12087
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2a
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	10631
Gene Symbol	POSTN
Species	Human
Immunogen	This antibody was generated using a synthetic peptide of Q15063, with the exact immunogen sequence remaining proprietary.

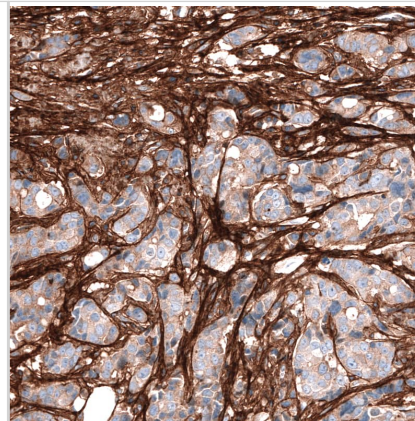
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

**Images**

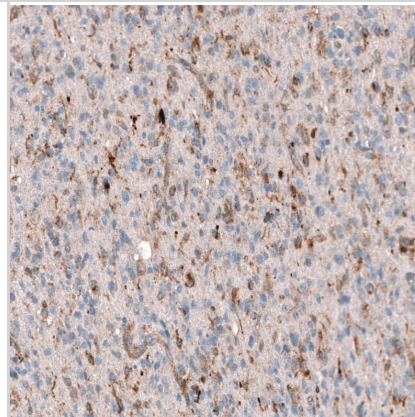
Analysis in human stomach and skeletal muscle tissues using NBP3-44358 antibody. Corresponding Periostin/OSF-2 RNA-seq data are presented for the same tissues.



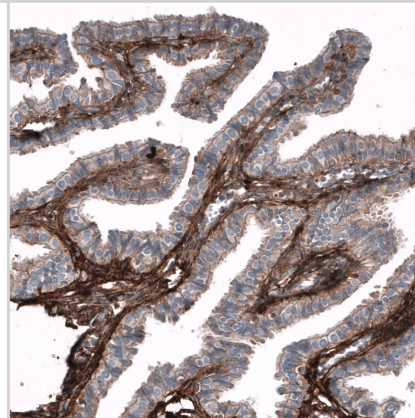
Staining of human breast cancer shows strong positivity in extracellular matrix.



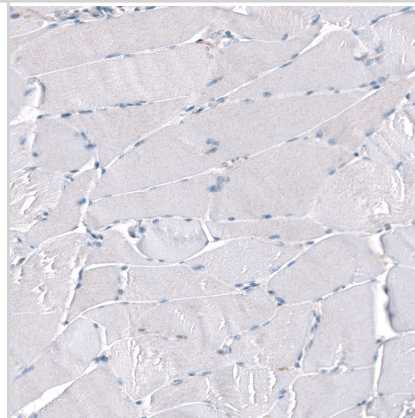
Staining of human astrocytoma shows moderate positivity in tumor cells.



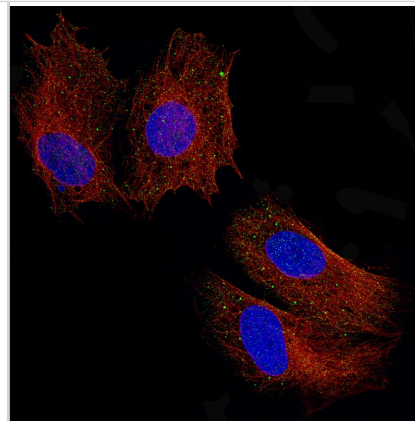
Staining of human fallopian tube shows moderate to strong positivity in the extracellular matrix.



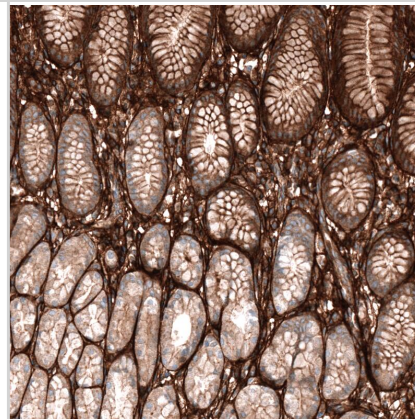
Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of U-138 cells using the Anti-Periostin/OSF-2 monoclonal antibody, showing specific staining in vesicles in green. Microtubule- and nuclear probes are visualized in red and blue, respectively.



Staining of human stomach shows strong positivity in extracellular matrix, as well as moderate positivity in glandular cells.





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### **Products Related to NBP3-44358**

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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)
NBP1-82472PEP	Periostin/OSF-2 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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