

# Product Datasheet

## TIMP-2 Antibody (TIMP2/8193R) NBP3-20229-100ug

Unit Size: 100 ug

Store at 4C. Do not freeze.

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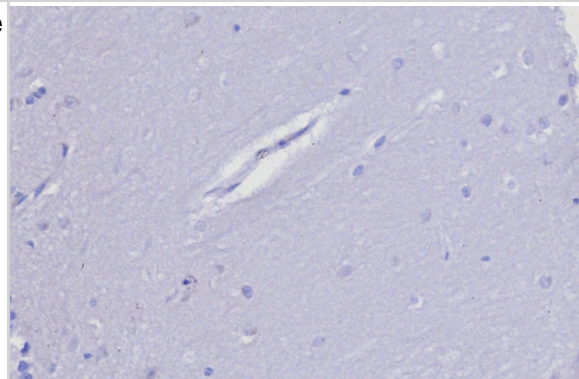
**NBP3-20229-100ug**

TIMP-2 Antibody (TIMP2/8193R)

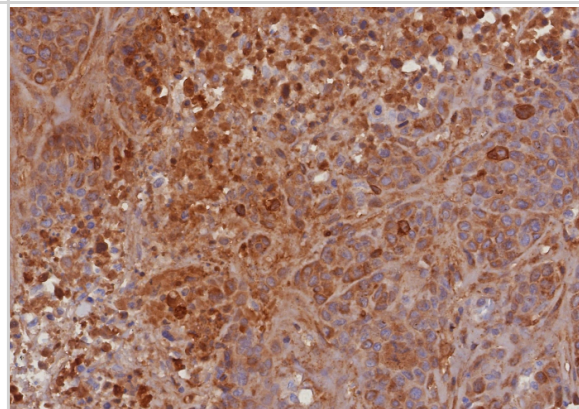
<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	TIMP2/8193R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10mM PBS with 0.05% BSA
<b>Product Description</b>	
<b>Description</b>	Positive Controls: Normal Placenta, Prostate or Ovarian Carcinoma.  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C. Non-hazardous. No MSDS required.
<b>Host</b>	Rabbit
<b>Gene ID</b>	7077
<b>Gene Symbol</b>	TIMP2
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	It recognizes a protein of 21kDa, identified as tissue inhibitor of metalloproteinases-2 (TIMP-2) It is closely related to TIMP-1 and shows the highest binding affinity to both the latent (pro) and active forms of 72kDa Type IV collagenase (also known as MMP-2 or gelatinase A) It also has affinity for the active form of 92kDa Type IV collagenase (also known as MMP-9 or gelatinase B) TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells
<b>Immunogen</b>	Recombinant fragment of human TIMP-2 protein (exact sequence is proprietary)
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin 1-2 ug/ml
<b>Application Notes</b>	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes. at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes.  Optimal dilution for a specific application should be determined.

## Images

IHC analysis of formalin-fixed, paraffin-embedded human brain. Negative tissue control using TIMP-2 antibody (TIMP2/8193R) at 2ug/ml in PBS for 30min RT. HIER: Tris/EDTA, pH9.0, 45min. Secondary: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human bladder carcinoma stained with TIMP-2 antibody (TIMP2/8193R). HIER: Tris/EDTA, pH9.0, 45min. Secondary: HRP-polymer, 30min. DAB, 5min.





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### Products Related to NBP3-20229-100ug

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-61356-10ug	Recombinant Human TIMP-2 Protein
210-TA-005	TNF-alpha [Unconjugated]

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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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