

# Product Datasheet

## Tensin 4/CTEN Antibody (3B8) - Azide and BSA Free H00084951-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00084951-M01**

Tensin 4/CTEN Antibody (3B8) - Azide and BSA Free

| Product Information |  |
|---------------------|--|
| Unit Size           | 0.1 mg   |
| Concentration       | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage             | Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.   |
| Clonality           | Monoclonal   |
| Clone               | 3B8  |
| Preservative        | No Preservative  |
| Isotype             | IgG1 Kappa   |
| Purity              | IgG purified   |
| Buffer              | In 1x PBS, pH 7.4  |

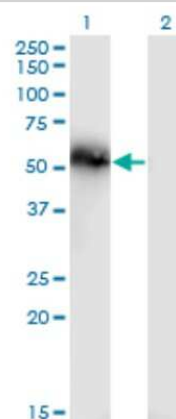
| Product Description     |  |
|-------------------------|--|
| Description             | Novus Biologicals Mouse Tensin 4/CTEN Antibody (3B8) - Azide and BSA Free (H00084951-M01) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-Tensin 4/CTEN Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.   |
| Host                    | Mouse  |
| Gene ID                 | 84951  |
| Gene Symbol             | TNS4   |
| Species                 | Human  |
| Reactivity Notes        | Human. Other species not tested.   |
| Specificity/Sensitivity | TNS4 - tensin 4  |
| Immunogen               | TNS4 (AAH18706, 1 a.a. ~ 480 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.<br>MGSKASSPHGLGSPLVASPRLEKRLGGLAPQQRGSRISVLSASPVSDVSYMFGS<br>SQSLLHSSNSSHQSSSRSLSPANSSSSSLHSLGSVSLCTRPSDFQAPRNPTLT<br>MGQPRTPHSPPLAKEHASSCPPSITNSMVDIPIVLINGCPEPGSSPPQRTPGHQ<br>NSVQPGAASPSNPCPATRSNSQTLSDAPFTTCPEGPARDMQPTMKFVMDTSK<br>YWFKNITREQAIELLRKEEPGAFVIRDSSSYRGSFGLALKVQEVPAQAQSRPG<br>EDSNDLIRHFLIESSAKGVHLKGADEEPYFGSLSAFVCQHSIMALALPCKLTIPQ<br>RELGGADGASDSTDSPASCQKKSAGCHTLYLSSVSVETLTGALAVQKAISTTF<br>ERDILPTPTVVHFKVTEQGITLTDVQRKVFFRRHYPLTTLRFCGMDPEQRKWQ<br>KYCKPSWIFGFVAKSQTEPQENVCHLFAEYDMVQPASQVIGLVTALLQDAERM |
| Notes                   | This product is produced by and distributed for Abnova, a company based in Taiwan.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Sandwich ELISA   |
| Recommended Dilutions       | Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA                                       |
| Application Notes           | Antibody reactive against recombinant protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. It is also useful for immunofluorescence. |

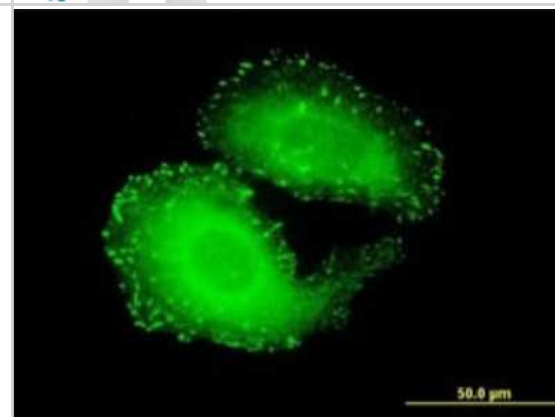


## Images

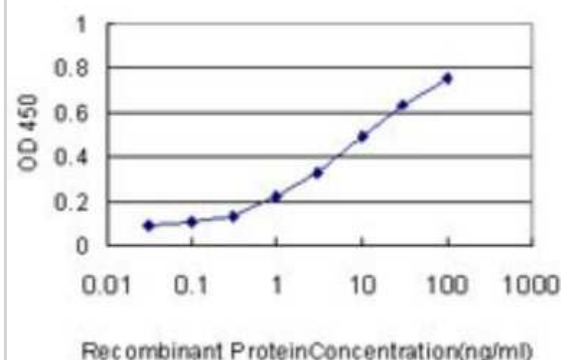
Western Blot: Tensin 4/CTEN Antibody (3B8) [H00084951-M01] - Analysis of TNS4 expression in transfected 293T cell line by TNS4 monoclonal antibody (M01), clone 3B8. Lane 1: TNS4 transfected lysate (51.8 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: Tensin 4/CTEN Antibody (3B8) [H00084951-M01] - Analysis of monoclonal antibody to TNS4 on HeLa cell. Antibody concentration 10 ug/ml.



Sandwich ELISA: Tensin 4/CTEN Antibody (3B8) [H00084951-M01] - Detection limit for recombinant GST tagged TNS4 is approximately 0.1 ng/ml as a capture antibody.



## Publications

L Qin, X Cao, T Kaneko, C Voss, X Liu, G Wang, SS Li Dynamic interplay of two molecular switches enabled by the MEK1/2-ERK1/2 and IL-6-STAT3 signaling axes controls epithelial cell migration in response to growth factors The Journal of Biological Chemistry, 2021-09-02;0(0):101161. 2021-09-02 [PMID: 34480897]

McHugh BJ, Murdoch A, Haslett C, Sethi T. Loss of the Integrin-Activating Transmembrane Protein Fam38A (Piezo1) Promotes a Switch to a Reduced Integrin-Dependent Mode of Cell Migration. PLoS One. 2012-07-05 [PMID: 22792288]

Sakashita K, Mimori K, Tanaka F et al. Prognostic Relevance of Tensin4 Expression in Human Gastric Cancer. Ann Surg Oncol;15(9):2606-13. 2008-09-01 [PMID: 18612693]



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### **Products Related to H00084951-M01**

|                    |   |
|--------------------|---|
| HAF007             | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B            | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg   | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| H00084951-P01-10ug | Recombinant Human Tensin 4/CTEN GST (N-Term) Protein    |

### **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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