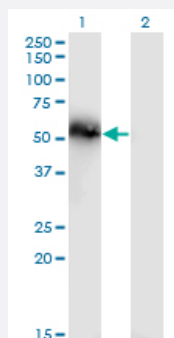


TNS4 monoclonal antibody (M01), clone 3B8

Catalog # H00084951-M01

Size 100 ug

Applications

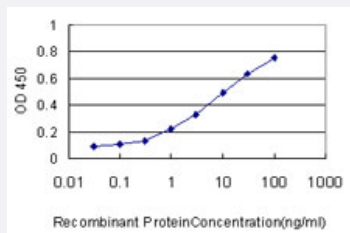


Western Blot (Transfected lysate)

Western Blot analysis of TNS4 expression in transfected 293T cell line by TNS4 monoclonal antibody (M01), clone 3B8.

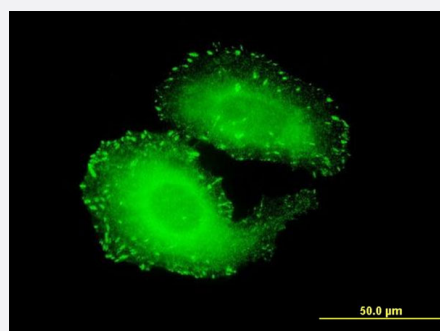
Lane 1: TNS4 transfected lysate (51.8 kDa).

Lane 2: Non-transfected lysate.



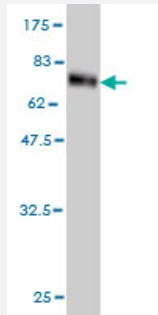
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNS4 is approximately 0.1 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TNS4 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (78.54 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant TNS4.
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.
Sequence	MGSKASSPHGLGSPLVASPRLEKRLGGLAPQQRGRISVLSASPVSDVSYMFGSSQSLHSSNSS HQSSSRSLSPANSSSSLHSLGSVSLCTRPSDFQAPRNPTLTMGQPRTPHSPPLAKEHASSCP PSITNSMVDIPIVLINGCPEPGSSPPQRTPGHQNSVQPGAASPSNPCPATRSNSQTLSDAPFTTCP EGPARDMQPTMKFVMDTSKYWFKPNITREQAIELLRKEEPGAFVIRDSSSYRGSFGLALKVQEV ASAQSRPGEDSNDLIRHFLIESSAKGVHLKGADEEYPFGSLSAFVCQHSIMALALPCKLTIPQREL GGADGASDSTDSPASCQKKSAGCHTLYLSSVSVETLTGALAVQKAISTTFERDILPTPTVVHFKVT EQGITLTDVQRKVFFRRHYPLTTLRFCGMDPEQRKWQKYCKPSWIFGFVAKSQTEPQENVCHLF AEYDMVQPASQVIGLVTALLQDAERM
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (74)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (78.54 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot 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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TNS4 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TNS4 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — TNS4

Entrez GeneID [84951](#)

GeneBank Accession# [BC018706](#)

Protein Accession# [AAH18706](#)

Gene Name TNS4

Gene Alias CTEN, FLJ14950, PP14434

Gene Description tensin 4

Omim ID [608385](#)

Gene Ontology [Hyperlink](#)

Other Designations C terminal tensin like|C-terminal tensin-like|OTTHUMP00000164465

Publication Reference

- [Epigenetic Activation of Tensin 4 Promotes Gastric Cancer Progression.](#)

Haejeong Heo, Hee-Jin Kim, Keeok Haam, Hyun Ahm Sohn, Yang-Ji Shin, Hanyong Go, Hyo-Jung Jung, Jong-Hwan Kim, Sang-Il Lee, Kyu-Sang Song, Min-Ju Kim, Haeseung Lee, Eun-Soo Kwon, Seon-Young Kim, Yong Sung Kim, Mirang Kim.

Molecules and Cells 2023 May; 46(5):298.

Application: IHC, WB, Human, Gastric tumors, Kato, MNK74, SNU-601 cells

- [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.](#)

Lyugao Qin, Xuan Cao, Tomonori Kaneko, Courtney Voss, Xuguang Liu, Guoping Wang, Shawn S-C Li.

The Journal of Biological Chemistry 2021 Sep; 297(4):101161.

Application: WB-Ce, Human, MCF-10A

- [Loss of the integrin-activating transmembrane protein Fam38A \(Piezo1\) promotes a switch to a reduced integrin-dependent mode of cell migration.](#)

McHugh BJ, Murdoch A, Haslett C, Sethi T.

PLoS One 2012 Jul; 7(7):e40346.

Application: IF, Human, 16HBE cells

- [Prognostic Relevance of Tensin4 Expression in Human Gastric Cancer.](#)

Sakashita K, Mimori K, Tanaka F, Kamohara Y, Inoue H, Sawada T, Hirakawa K, Mori M.

Annals of Surgical Oncology 2008 Jul; 15(9):2606.

Application: IHC-P, WB-Ti, Human, Human gastric cancer

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)