

TEM7 Antibody (aa411-427, clone 197C193)
Mouse Monoclonal Antibody
Catalog # ALS12382**Specification**

TEM7 Antibody (aa411-427, clone 197C193) - Product Information

Application	WB, IHC
Primary Accession	Q8IUK5
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	56kDa KDa

TEM7 Antibody (aa411-427, clone 197C193) - Additional Information**Gene ID** 57125**Other Names**

Plexin domain-containing protein 1, Tumor endothelial marker 3, Tumor endothelial marker 7, PLXDC1, TEM3, TEM7

Target/Specificity

A synthetic peptide containing amino acids 411-427 of human TEM7.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

TEM7 Antibody (aa411-427, clone 197C193) is for research use only and not for use in diagnostic or therapeutic procedures.

TEM7 Antibody (aa411-427, clone 197C193) - Protein Information**Name** PLXDC1**Synonyms** TEM3, TEM7**Function**

Plays a critical role in endothelial cell capillary morphogenesis.

Cellular Location

Secreted [Isoform 2]: Secreted. [Isoform 4]: Cytoplasm.

Tissue Location

Detected in urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717). Detected in endothelial cells from colorectal cancer, and in endothelial cells from primary cancers of the lung, liver, pancreas, breast and brain. Not detectable in endothelial cells from normal tissue. Expressed in fibrovascular membrane with increased expression in individuals with

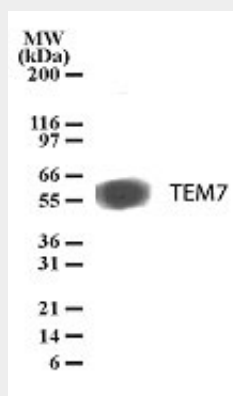
proliferative diabetic retinopathy.

TEM7 Antibody (aa411-427, clone 197C193) - Protocols

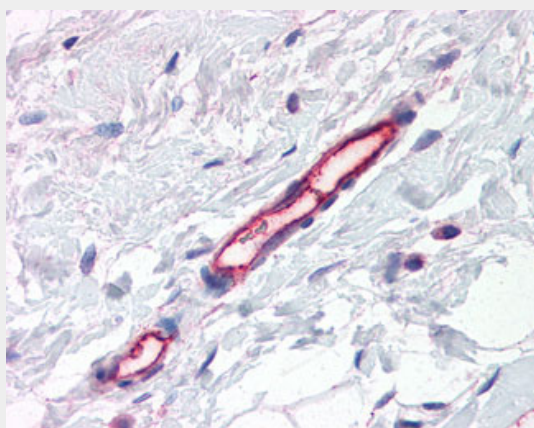
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TEM7 Antibody (aa411-427, clone 197C193) - Images



Western blot detection of TEM7 in HCT-116 cell lysate using antibody at 1 µg/ml dilution.



Anti-TEM7 antibody IHC of human breast, vessels.

TEM7 Antibody (aa411-427, clone 197C193) - Background

Plays a critical role in endothelial cell capillary morphogenesis.

TEM7 Antibody (aa411-427, clone 197C193) - References

St Croix B., et al. Science 289:1197-1202(2000).

Carson-Walter E.B.,et al.Cancer Res. 61:6649-6655(2001).

Nanda A.,et al.Cancer Res. 64:8507-8511(2004).

Ota T.,et al.Nat. Genet. 36:40-45(2004).

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