

**TMPRSS9 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14011a****Specification**

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**TMPRSS9 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">Q7Z410</a>      |
| Other Accession   | <a href="#">NP_892018.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 114021                      |
| Antigen Region    | 124-153                     |

**TMPRSS9 Antibody (N-term) - Additional Information****Gene ID** 360200**Other Names**

Transmembrane protease serine 9, 3421-, Polyserase-I, Polyserine protease 1, Polyserase-1, Serase-1, Serase-2, Serase-3, TMPRSS9

**Target/Specificity**

This TMPRSS9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-153 amino acids from the N-terminal region of human TMPRSS9.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TMPRSS9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TMPRSS9 Antibody (N-term) - Protein Information****Name** TMPRSS9

**Function** Serase-1 and serase-2 are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed.

**Cellular Location**

Cell membrane; Single-pass type II membrane protein

**Tissue Location**

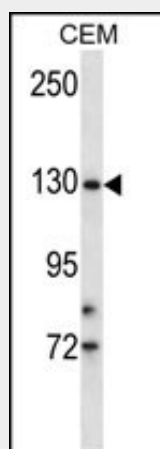
Expressed in fetal human tissues, such as kidney, liver, lung and brain, and in a variety of tumor cell lines. Weakly expressed in adult tissues including skeletal muscle, liver, placenta and heart.

**TMPRSS9 Antibody (N-term) - 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](#)

**TMPRSS9 Antibody (N-term) - Images**



TMPSRS9 Antibody (N-term) (Cat. #AP14011a) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the TMPRSS9 antibody detected the TMPRSS9 protein (arrow).

**TMPRSS9 Antibody (N-term) - Background**

Serase-1 and serase-2 are serine proteases that hydrolyze the peptides N-t-Boc-Gln-Ala-Arg-AMC and N-t-Boc-Gln-Gly-Arg-AMC. In contrast, N-t-Boc-Ala-Phe-Lys-AMC and N-t-Boc-Ala-Pro-Ala-AMC are not significantly hydrolyzed.

**TMPRSS9 Antibody (N-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Okumura, Y., et al. Biochem. J. 400(3):551-561(2006)  
Cal, S., et al. Proc. Natl. Acad. Sci. U.S.A. 100(16):9185-9190(2003)

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