

**TM181 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12403a****Specification**

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**TM181 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, IHC-P,E                 |
| Primary Accession | <a href="#">O9P2C4</a>      |
| Other Accession   | <a href="#">NP_065874.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 55015                       |
| Antigen Region    | 112-140                     |

**TM181 Antibody (N-term) - Additional Information****Gene ID** 57583**Other Names**

Transmembrane protein 181, TMEM181, GPR178, KIAA1423

**Target/Specificity**

This TM181 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-140 amino acids from the N-terminal region of human TM181.

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

**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**

TM181 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TM181 Antibody (N-term) - Protein Information****Name** TMEM181**Synonyms** GPR178, KIAA1423

**Function** Mediates action of cytolethal distending toxins (CDT), which are secreted by many pathogenic bacteria. Expression level of TMEM181 is rate-limiting for intoxication.

**Cellular Location**

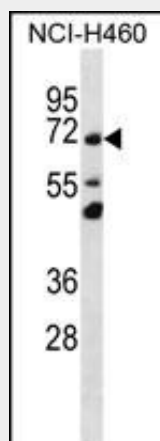
Membrane; Multi-pass membrane protein

**TM181 Antibody (N-term) - Protocols**

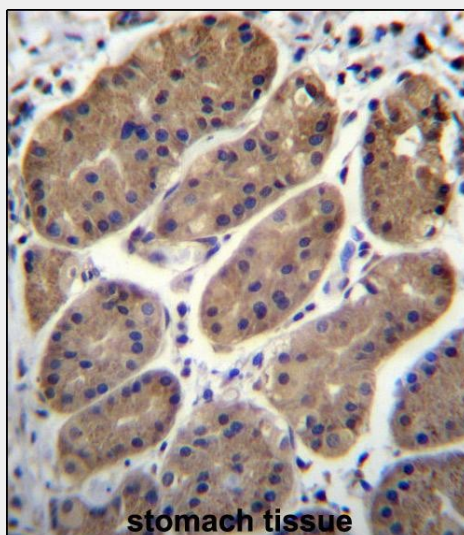
Provided below are standard protocols that you may find useful for product applications.

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

**TM181 Antibody (N-term) - Images**



TM181 Antibody (N-term) (Cat. #AP12403a) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the TM181 antibody detected the TM181 protein (arrow).



TM181 Antibody (N-term) (Cat. #AP12403a) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TM181 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **TM181 Antibody (N-term) - Background**

The TMEM181 gene encodes a putative G protein-coupled receptor expressed on the cell surface (Carette et al., 2009 [PubMed 19965467]; Wollscheid et al., 2009 [PubMed 19349973]).

#### **TM181 Antibody (N-term) - References**

Carette, J.E., et al. Science 326(5957):1231-1235(2009)  
Wollscheid, B., et al. Nat. Biotechnol. 27(4):378-386(2009)  
Olsen, J.V., et al. Cell 127(3):635-648(2006)  
Wistrand, M., et al. Protein Sci. 15(3):509-521(2006)  
Cheng, J., et al. Science 308(5725):1149-1154(2005)