

**TCN1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19176B**

**Specification**

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**TCN1 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">P20061</a>      |
| Other Accession   | <a href="#">NP_001053.2</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 48207                       |
| Antigen Region    | 406-433                     |

**TCN1 Antibody (C-term) - Additional Information**

**Gene ID** 6947

**Other Names**

Transcobalamin-1, TC-1, Haptocorrin, HC, Protein R, Transcobalamin I, TC I, TCI, TCN1, TC1

**Target/Specificity**

This TCN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 406-433 amino acids from the C-terminal region of human TCN1.

**Dilution**

WB~~1:1000

**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**

TCN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**TCN1 Antibody (C-term) - Protein Information**

**Name** TCN1

**Synonyms** TC1

**Function** Binds vitamin B12 with femtomolar affinity and protects it from the acidic environment of the stomach.

**Cellular Location**  
Secreted.

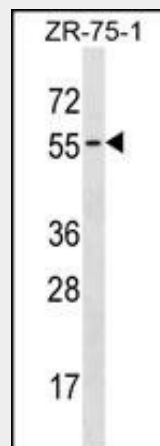
**Tissue Location**  
Produced by the salivary glands of the oral cavity, in response to ingestion of food. Major constituent of secondary granules in neutrophils.

### TCN1 Antibody (C-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](#)

### TCN1 Antibody (C-term) - Images



TCN1 Antibody (C-term) (Cat. #AP19176b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the TCN1 antibody detected the TCN1 protein (arrow).

### TCN1 Antibody (C-term) - Background

This gene encodes a member of the vitamin B12-binding protein family. This family of proteins, alternatively referred to as R binders, is expressed in various tissues and secretions. This protein is a major constituent of secondary granules in neutrophils and facilitates the transport of cobalamin into cells. [provided by RefSeq].

### TCN1 Antibody (C-term) - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)

Garrod, M.G., et al. Eur J Clin Nutr 64(5):503-509(2010)  
Matteini, A.M., et al. J Nutr Health Aging 14(1):73-77(2010)  
McGeachie, M., et al. Circulation 120(24):2448-2454(2009)  
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)