

# WFDC12 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10369b

### **Product Information**

**Application** WB, IHC-P, FC, E **Primary Accession** Q8WWY7 Other Accession NP 543145.1 Reactivity Human Host Rabbit Clonality Polyclonal Isotype Rabbit IgG **Clone Names** RB27994 **Calculated MW** 12050 66-94 **Antigen Region** 

## **Additional Information**

**Gene ID** 128488

**Other Names** WAP four-disulfide core domain protein 12, Putative protease inhibitor

WAP12, Whey acidic protein 2, WFDC12, C20orf122, WAP2

**Target/Specificity**This WFDC12 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 66-94 amino acids from the C-terminal

region of human WFDC12.

**Dilution** WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent

concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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** WFDC12 Antibody (C-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

### **Protein Information**

Name WFDC12

Synonyms C20orf122, WAP2

**Function** Antibacterial protein. Putative acid-stable proteinase inhibitor.

**Cellular Location** Secreted.

**Tissue Location** Highly expressed in prostate, skin, lung and esophagus. Weakly expressed in

skeletal muscle, epididymis, kidney, trachea, salivary gland, testis and seminal

vesicle

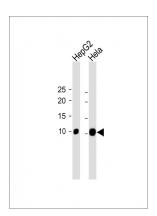
# **Background**

This gene encodes a member of the WAP-type four-disulfide core (WFDC) domain family. The WFDC domain, or WAP signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster.

#### References

Clauss, A., et al. Biochem. Biophys. Res. Commun. 333(2):383-389(2005) Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003) Clauss, A., et al. Biochem. J. 368 (PT 1), 233-242 (2002) : Lundwall, A., et al. Biochem. Biophys. Res. Commun. 290(1):452-456(2002) Deloukas, P., et al. Nature 414(6866):865-871(2001)

# **Images**

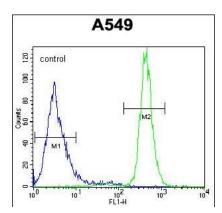


All lanes: Anti-WFDC12 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 12 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



WFDC12 antibody (C-term) (Cat. #AP10369b) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the WFDC12 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

WFDC12 Antibody (C-term) (Cat. #AP10369b) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



# **Citations**

• Analysis of salivary factors related to the oral health status in children

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.