10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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
Antigen Region	66-94

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

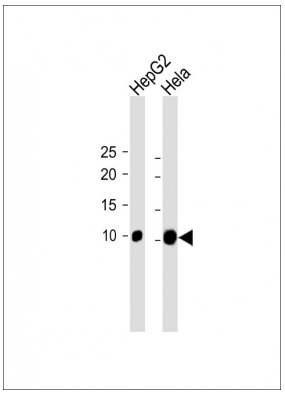
Background

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.

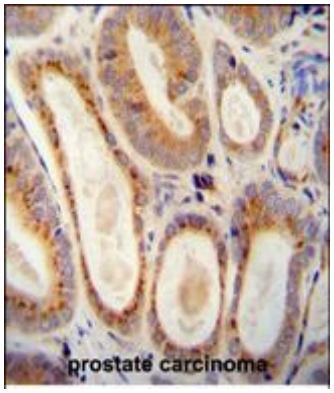
References

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

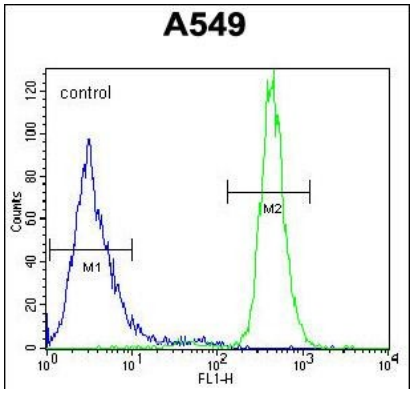


All lanes: Anti-WFDC12 Antibody (C-term) at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 12 KDa Blocking/Dilution buffer: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