

FNDC4 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18089B**Specification**

FNDC4 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9H6D8
Other Accession	A6QPL2 , NP_073734.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	202-228

FNDC4 Antibody (C-term) - Additional Information**Gene ID** 64838**Other Names**

Fibronectin type III domain-containing protein 4, Fibronectin type III repeat-containing protein 1, FNDC4, FRCP1

Target/Specificity

This FNDC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-228 amino acids from the C-terminal region of human FNDC4.

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

FNDC4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

FNDC4 Antibody (C-term) - Protein Information**Name** FNDC4**Synonyms** FRCP1

Function Acts as an anti-inflammatory factor in the intestine and colon. Binds to and acts on macrophages to down-regulate pro- inflammatory gene expression. Affects key macrophage functions, including phagocytosis, by down-regulating many key pathways for macrophage activation, partly via by STAT3 activation and signaling. May be required to dampen the immunological response in colitis.

Cellular Location

Membrane; Single-pass type I membrane protein. Secreted {ECO:0000250|UniProtKB:Q3TR08}.
Note=The N-terminus is probably cleaved to release a secreted extracellular portion of the protein {ECO:0000250|UniProtKB:Q3TR08}

Tissue Location

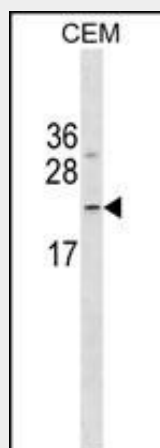
Up-regulated in colon cells of patients with inflammatory bowel disease (IBD).

FNDC4 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](#)

FNDC4 Antibody (C-term) - Images



FNDC4 Antibody (C-term) (Cat. #AP18089b) western blot analysis in CEM cell line lysates (35ug/lane). This demonstrates the FNDC4 antibody detected the FNDC4 protein (arrow).

FNDC4 Antibody (C-term) - Background

FNDC4 contains a fibronectin type-III (FN3) domain. FN3 repeats have been found in various protein families including extracellular-matrix molecules, cell-surface receptors, enzymes, and muscle proteins. The function of FNDC4 is unknown.

FNDC4 Antibody (C-term) - References

O'Seaghdha, C.M., et al. Hum. Mol. Genet. 19(21):4296-4303(2010)
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Kottgen, A., et al. Nat. Genet. 42(5):376-384(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)