

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

E~~Use at an assay dependent concentration.

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 [Soluble FNDC4]: Has anti-inflammatory properties. In the colon, acts on macrophages to down-regulate inflammation. May suppress osteoclastogenesis and mature osteoclast resorptive function. In white adipose tissue, decreases local inflammation, via interaction with GPR116. Also required for proper systemic glucose tolerance, specifically sensitizing white adipocytes to insulin and promoting glucose uptake. The insulin sensitizing function in adipose tissue is mediated by interaction with ADGRF5/GPR116 and activation of cAMP signaling.

Cellular Location

[Fibronectin type III domain-containing protein 4]: Membrane; Single-pass type I membrane protein

Tissue Location

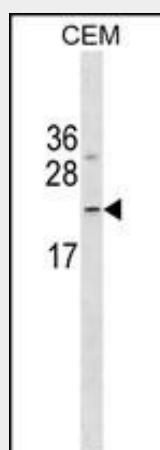
Highly expressed in the liver and the brain, including in the cortex, hypothalamus and hippocampus (PubMed:34016966). Also expressed in adipose tissue (PubMed:34016966)

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)