

FNDC4 Rabbit pAb

FNDC4 Rabbit pAb
Catalog # AP55087

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H6D8
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25159
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FNDC4
Epitope Specificity	101-200/234
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein (Potential).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Fibronectins are multi-domain glycoproteins that bind to a variety of substances including collagen, actin, heparin, DNA, fibrin and fibronectin receptors. They are involved in a diverse array of important functions such as blood coagulation, wound healing, cell adhesion, cell differentiation and migration. FNDC4 (Fibronectin type III domain-containing protein 4), also known as FRCP1 (Fibronectin type III repeat-containing protein 1), is a 234 amino acid membrane protein that contains one fibronectin type-III domain, which serves as a binding site for DNA, heparin or the cell surface. The gene encoding FNDC4 is localized to human chromosome two, which houses over 1,400 genes and comprises nearly 8% of the human genome.

Additional Information

Gene ID	64838
Other Names	Fibronectin type III domain-containing protein 4, Fibronectin type III repeat-containing protein 1, Soluble FNDC4, sFNDC4, FNDC4, FRCP1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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)

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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