

FNDC1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59010

Specification

FNDC1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q4ZHG4
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	202 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human FNDC1
Epitope Specificity	21-120/1894
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	Secreted.
SIMILARITY	Contains 5 fibronectin type-III domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

FNDC1, also known as MEL4B3, Ags8, Expressed in synovial lining protein and Activation-associated cDNA protein, is a 1888 amino acid secreted protein that contains five fibronectin type-III domains. FNDC1 is moderately expressed in skeletal muscle, pancreas, heart, kidney, spinal cord, ovary and lung. Expression of FNDC1 is induced in response to hypoxia in ventricular cardiomyocytes. Since FNDC1 interacts with G β and G γ , it is likely that FNDC1 is an activator for G-protein signaling. Though normally absent in healthy skin, FNDC1 expression is induced by TGF-beta signaling in skin tumors and psoriasis. There are two isoforms of FNDC1 that are produced as a result of alternative splicing events.

FNDC1 Polyclonal Antibody - Additional Information

Gene ID 84624

Other Names

Fibronectin type III domain-containing protein 1, Activation-associated cDNA protein, Expressed in synovial lining protein, FNDC1, FNDC2, KIAA1866, MEL4B3

Target/Specificity

Almost absent from healthy skin; especially in epidermal keratinocytes, skin fibroblasts or endothelial cells and is barely detectable in benign melanocytic naevi. Expressed in the stroma close to skin tumors, in the tumor cells themselves and in the epidermis of psoriasis.

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
E ~ N/A

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.

FNDC1 Polyclonal Antibody - Protein Information

Name FNDC1

Synonyms FNDC2, KIAA1866, MEL4B3

Function

May be an activator of G protein signaling.

Cellular Location

Secreted.

Tissue Location

Almost absent from healthy skin; especially in epidermal keratinocytes, skin fibroblasts or endothelial cells and is barely detectable in benign melanocytic naevi. Expressed in the stroma close to skin tumors, in the tumor cells themselves and in the epidermis of psoriasis

FNDC1 Polyclonal Antibody - 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](#)

FNDC1 Polyclonal Antibody - Images