



Rabbit Anti-FNDC1 antibody

SL8460R

Product Name:	FNDC1
Chinese Name:	Ⅲ型纤维连接蛋白域蛋白1抗体
Alias:	Activation-associated cDNA protein; AGS8; Expressed in synovial lining protein; fibronectin type III domain containing 2; Fibronectin type III domain-containing protein 1; FNDC1; FNDC1_HUMAN; FNDC2; MEL4B3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	202kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FNDC1:21-120/1894
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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 Gf

and G?, 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.

Function:

May be an activator of G protein signaling

Subcellular Location:

Secreted.

Tissue 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.

Similarity:

Contains 5 fibronectin type-III domains.

SWISS:

Q4ZHG4

Gene ID:

84624

Database links:

UniProtKB/Swiss-Prot: Q4ZHG4.4

Important Note:

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