

KRAP, SSFA2 Polyclonal Antibody

Catalog number: 14157-1-AP

Size: 25 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

SSFA2; Cleavage signal 1

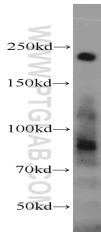
protein, CS 1, CS1,

DKFZp31301039,

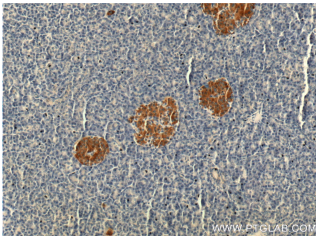
DKFZp779G0129, FLJ45996,

KIAA1927, KRAP, SPAG13,

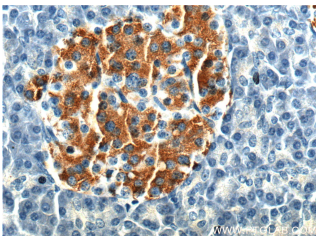
sperm specific antigen 2, SSFA2



rat testis tissue were subjected to SDS PAGE followed by western blot with 14157-1-AP(KRAP, SSFA2 antibody) at dilution of 1:600



Immunohistochemistry of paraffin-embedded human pancreas tissue slide using 14157-1-AP(KRAP, SSFA2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human pancreas tissue slide using 14157-1-AP(KRAP, SSFA2 Antibody) at dilution of 1:200 (under 40x lens).

Background

KRAP (Ki-ras-induced actin-interacting protein), also known as SSFA2, CS1 or SPAG13, is a 1,259 amino acid cytoplasmic protein associated with filamentous-actin (F-actin). KRAP is strongly expressed in pancreas and testis. It is also present in colon cancer cell lines, and the expression is up-regulated by activated K-Ras. KRAP-deficient (KO) mice display decreased adiposity and improved glucose metabolism, implicating KRAP as a potential target for the prevention or treatment of obesity and related diseases. KRAP has also been suggested to be a potential target for cancer. This antibody recognizes endogenous KRAP, which migrates with an apparent molecular mass of 180 kDa in SDS-PAGE. (PMID: 14673706; 21501587; 21873152)

Applications

Tested applications:	ELISA, WB, IP, IHC
Cited applications:	IF, WB
Species specificity:	Human, Rat; other species not tested.
Cited species:	Canine
Calculated KRAP, SSFA2 MW:	138 kDa
Observed KRAP, SSFA2 MW:	180 kDa
Positive WB detected in	Rat testis tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human pancreas tissue
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

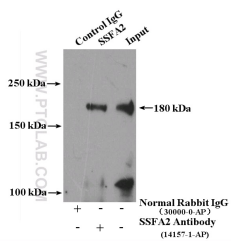
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag5339
GenBank accession number:	BC028706
Gene ID (NCBI):	6744
Full name:	Sperm specific antigen 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-KRAP, SSFA2
(IP:14157-1-AP, 4ug;
Detection:14157-1-AP 1:500)
with mouse testis tissue lysate
4000ug.