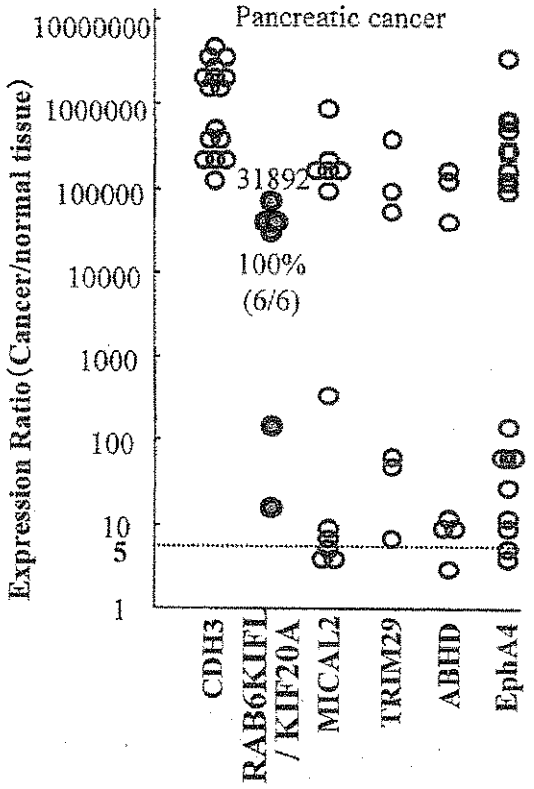
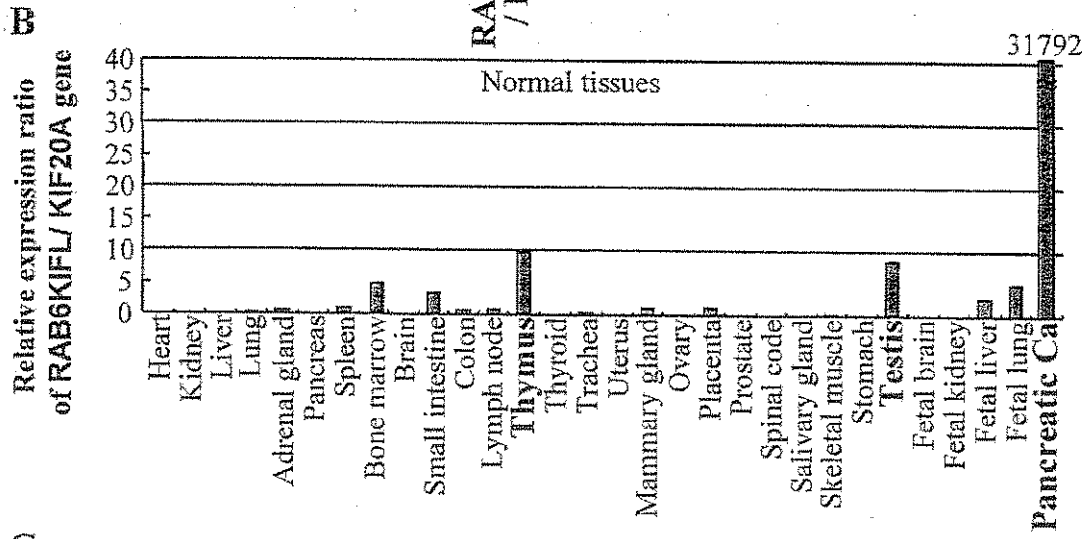
[Fig. 1]

A



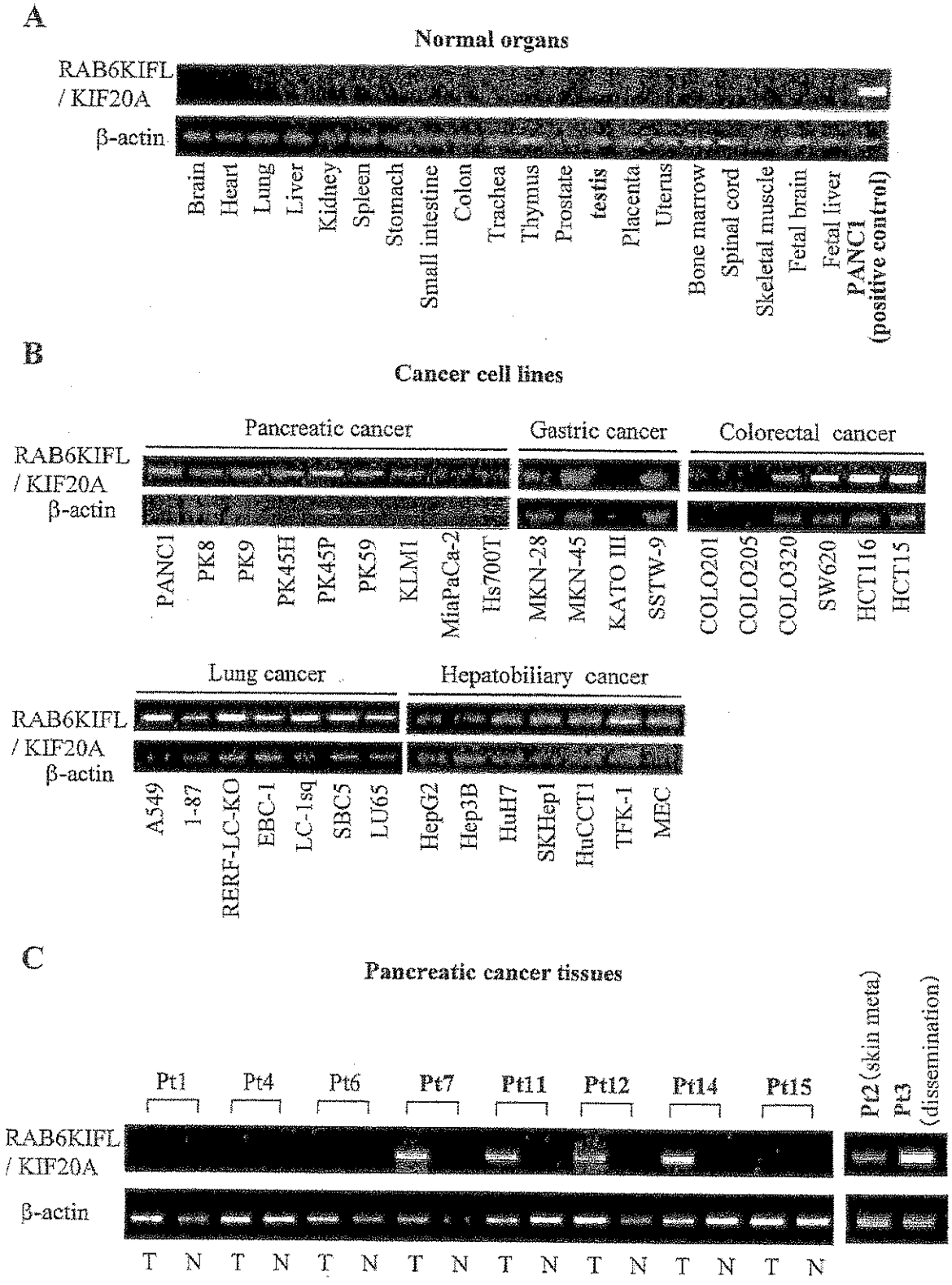
B



C

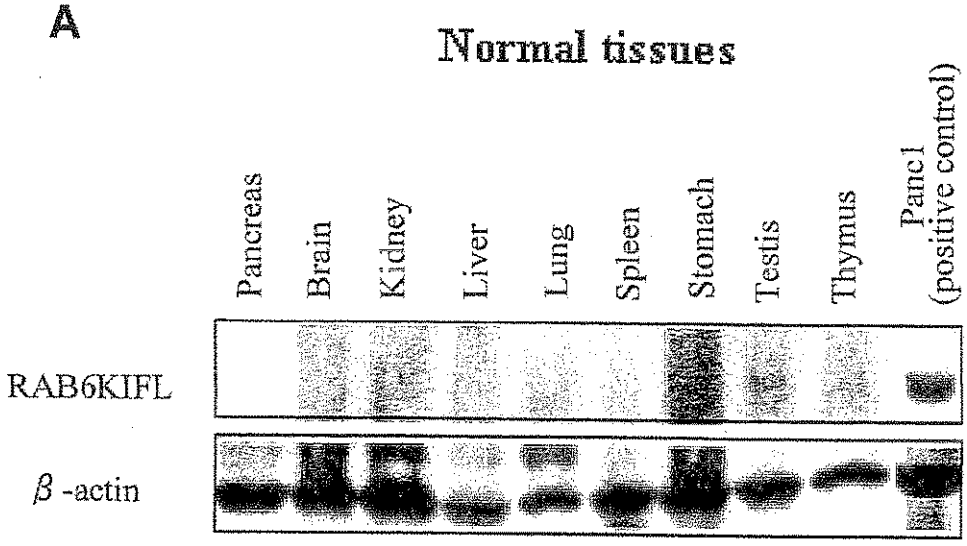
Various malignancies	n	Positive rate (%)	Relative expression ratio (mean)
Pancreatic cancer	6	**100**	**31892**
Small cell lung cancer	15	100	22
Bladder cancer	31	97	20471
Non-small cell lung cancer	22	91	25779
Cholangiocellular carcinoma	11	64	3781
Breast cancer	61	44	322
Prostate cancer	36	31	4
Renal cell carcinoma	11	27	5
Esophageal cancer	13	15	3
Colorectal cancer	31	3	2
Gastric cancer	4	0	0

[Fig. 2]

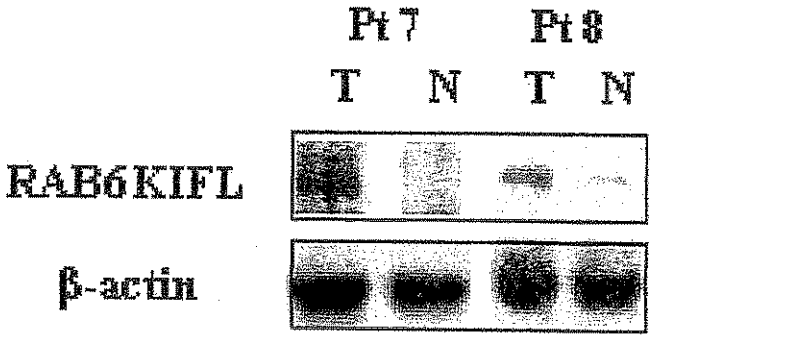

A
Normal organs
RAB6KIFL / KIF20A
β-actin
Brain
Heart
Lung
Liver
Kidney
Spleen
Stomach
Small intestine
Colon
Trachea
Thymus
Prostate
testis
Placenta
Uterus
Bone marrow
Spinal cord
Skeletal muscle
Fetal brain
Fetal liver
PANC1 (positive control)
B
Cancer cell lines
Pancreatic cancer
Gastric cancer
Colorectal cancer
RAB6KIFL / KIF20A
β-actin
PANC1
PK8
PK9
PK45H
PK45P
PK59
KLM1
MiaPaCa-2
Hs700T
MKN-28
MKN-45
KATO III
SSTW-9
COLO201
COLO205
COLO320
SW620
HCT116
HCT15
Lung cancer
Hepatobiliary cancer
RAB6KIFL / KIF20A
β-actin
A549
1-87
RERF-LC-KO
EBC-1
LC-1sq
SBC5
LU65
HepG2
Hep3B
HuH7
SKHep1
HuCCT1
TFK-1
MEC
C
Pancreatic cancer tissues
Pt1
Pt4
Pt6
Pt7
Pt11
Pt12
Pt14
Pt15
Pt2 (skin meta.)
Pt3 (dissemination)
RAB6KIFL / KIF20A
β-actin
T N T N T N T N T N T N T N T N

[Fig. 3]

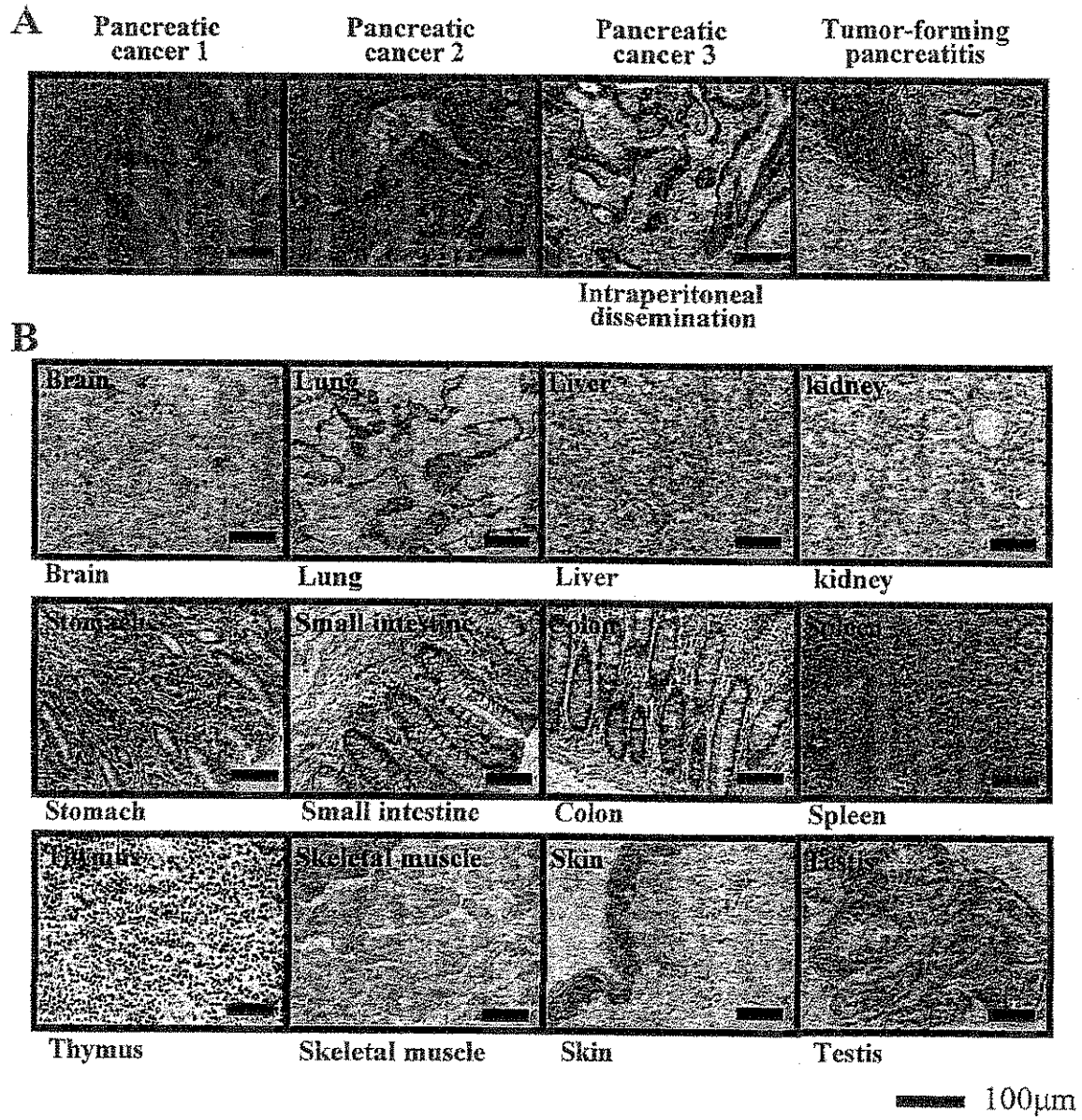
A


Normal tissues
Pancreas
Brain
Kidney
Liver
Lung
Spleen
Stomach
Testis
Thymus
Panc1 (positive control)
RAB6KIFL
β -actin

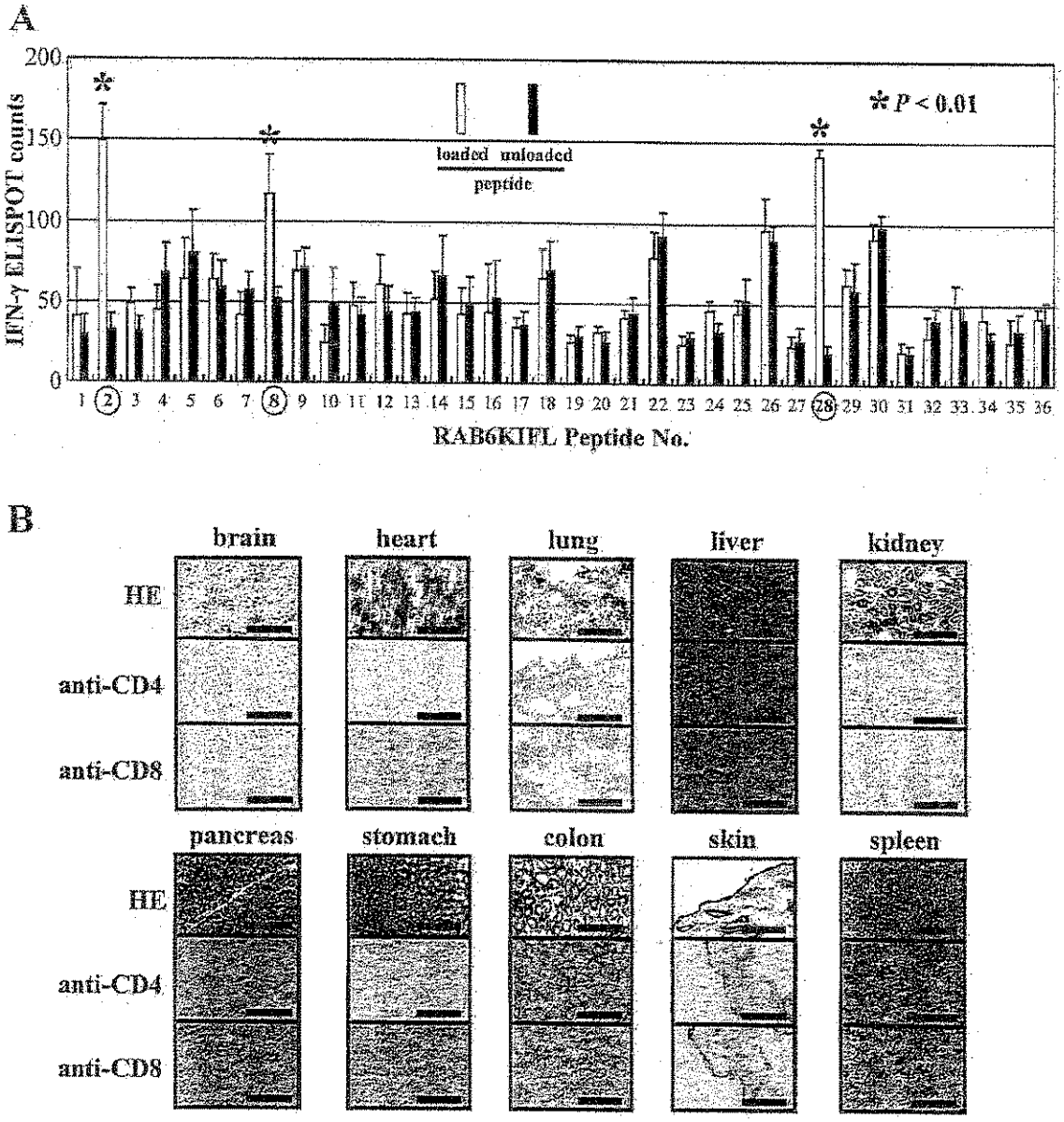
B


Pancreatic cancer tissues
Pt 7
Pt 8
T
N
T
N
RAB6KIFL
β-actin

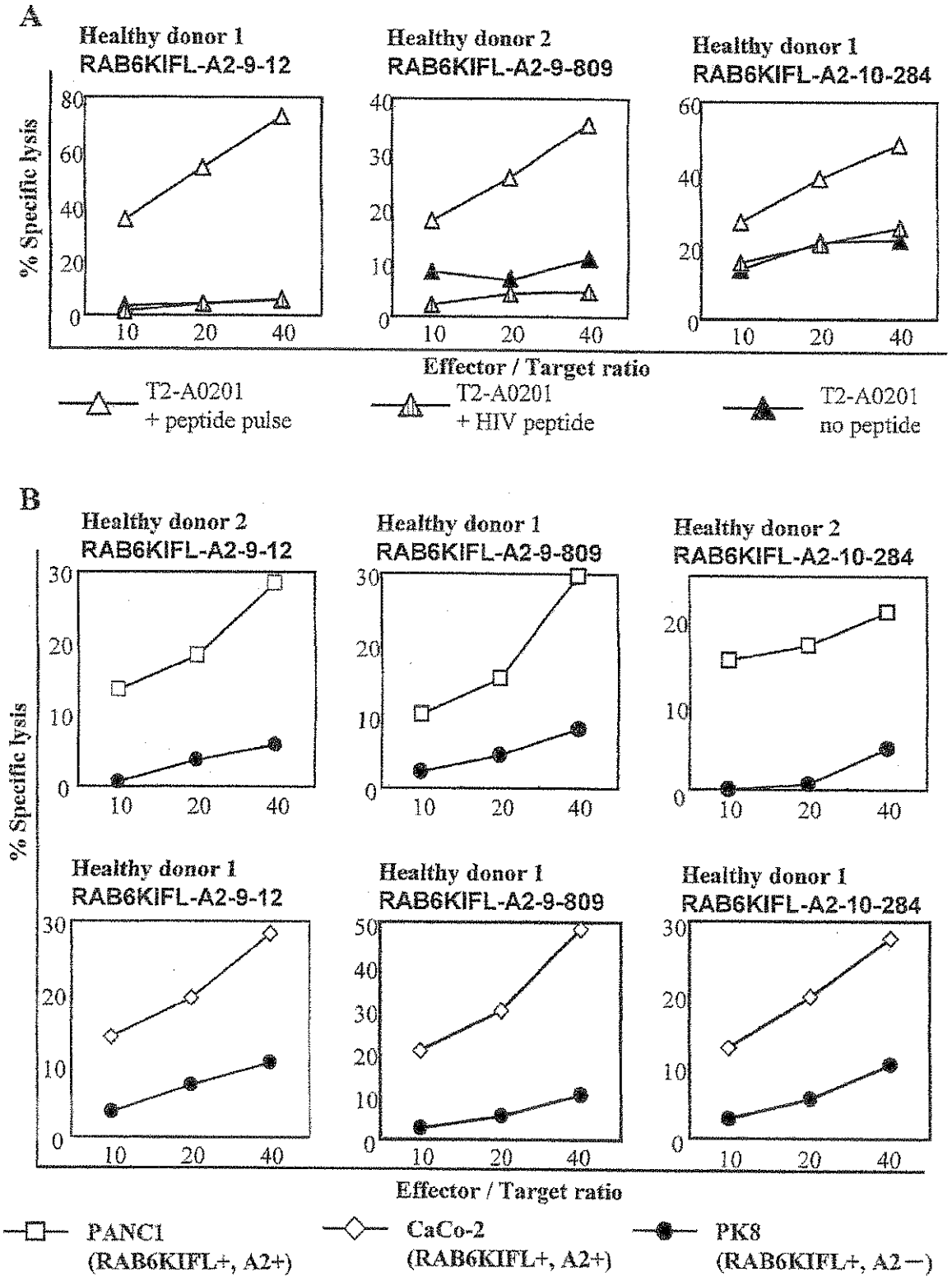
[Fig. 4]


A
Pancreatic cancer 1
Pancreatic cancer 2
Pancreatic cancer 3
Tumor-forming pancreatitis
Intraperitoneal dissemination
B
Brain
Lung
Liver
kidney
Stomach
Small intestine
Colon
Spleen
Thymus
Skeletal muscle
Skin
Testis
100μm

[Fig. 5]

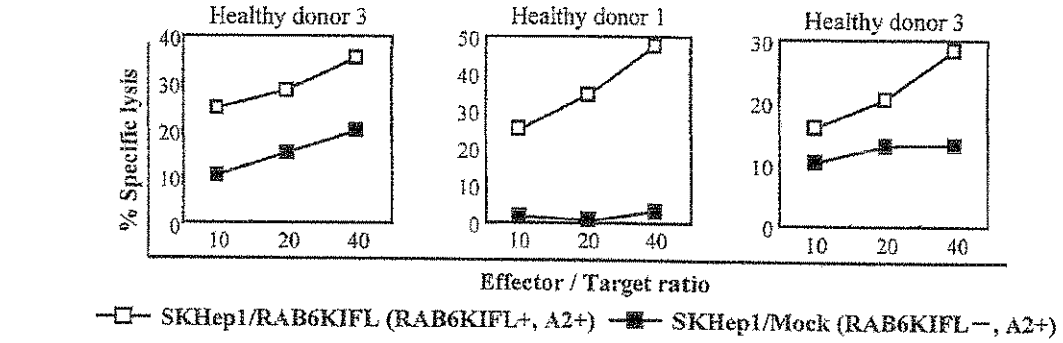

A
200
150
100
50
0
IFN-γ ELISPOT counts
* P < 0.01
loaded unloaded
peptide
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
RAB6KIFL Peptide No.
B
brain
heart
lung
liver
kidney
HE
anti-CD4
anti-CD8
pancreas
stomach
colon
skin
spleen
HE
anti-CD4
anti-CD8

[Fig. 6A-B]

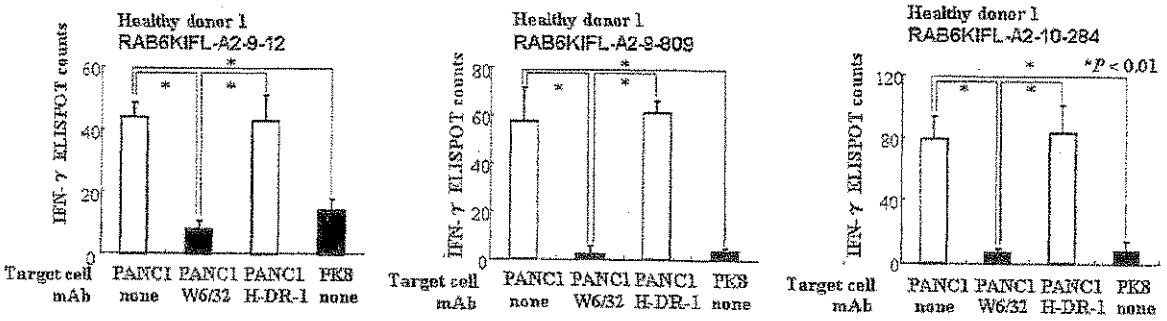

A
Healthy donor 1
RAB6KIFL-A2-9-12
Healthy donor 2
RAB6KIFL-A2-9-809
Healthy donor 1
RAB6KIFL-A2-10-284
% Specific lysis
Effector / Target ratio
T2-A0201
+ peptide pulse
T2-A0201
+ HIV peptide
T2-A0201
no peptide
B
Healthy donor 2
RAB6KIFL-A2-9-12
Healthy donor 1
RAB6KIFL-A2-9-809
Healthy donor 2
RAB6KIFL-A2-10-284
Healthy donor 1
RAB6KIFL-A2-9-12
Healthy donor 1
RAB6KIFL-A2-9-809
Healthy donor 1
RAB6KIFL-A2-10-284
% Specific lysis
Effector / Target ratio
PANC1
(RAB6KIFL+, A2+)
CaCo-2
(RAB6KIFL+, A2+)
PK8
(RAB6KIFL+, A2−)

[Fig. 6C-D]

C


Healthy donor 3
Healthy donor 1
Healthy donor 3
% Specific lysis
Effector / Target ratio
SKHep1/RAB6KIFL (RAB6KIFL+, A2+)
SKHep1/Mock (RAB6KIFL−, A2+)

D


Healthy donor 1
RAB6KIFL-A2-9-12
Healthy donor 1
RAB6KIFL-A2-9-809
Healthy donor 1
RAB6KIFL-A2-10-284
IFN-γ ELISPOT counts
*P < 0.01
Target cell
mAb
PANC1 none
PANC1 W6/32
PANC1 H-DR-1
PK8 none