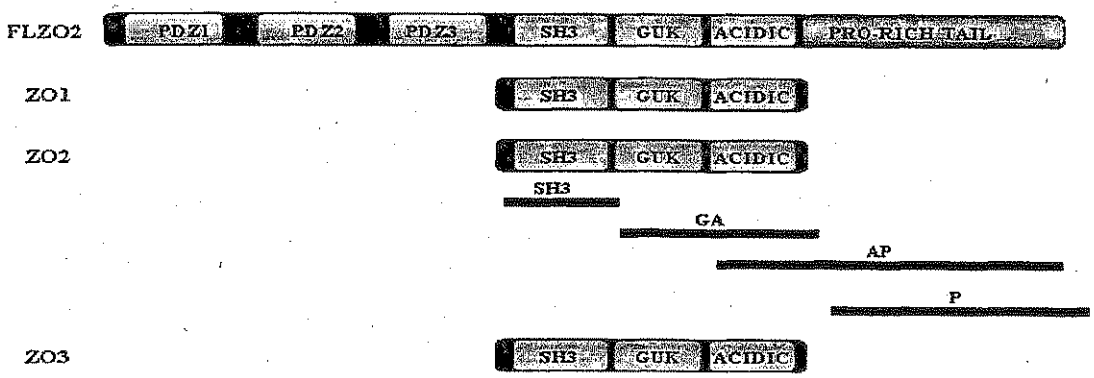


Fig. 1

ZNF3 ALIGNMENT

Slug	186	CVCKICGKAFSRPWLLQGHIRTHTGEKP	213
Zif268	107	CPVESCDRRFSQSGSLTR HIRIHTGQKP	134
		-1 23 6	

ZNF4 ALIGNMENT

Slug	214	FSCPHCNRAFADRSNLRAHLQTHSDVKK	241
Zif268	135	FQCRICMRNFSRSDHLTTH IRTHTGEKP	162
		-1 23 6	

ZNF5 ALIGNMENT

Slug	242	YQCKNCSKTFSRMSLLHKHEESGC	265
Zif268	163	FACD ICGRKFARSDERKRHTKIHL	186
		-1 23 6	

Fig. 2

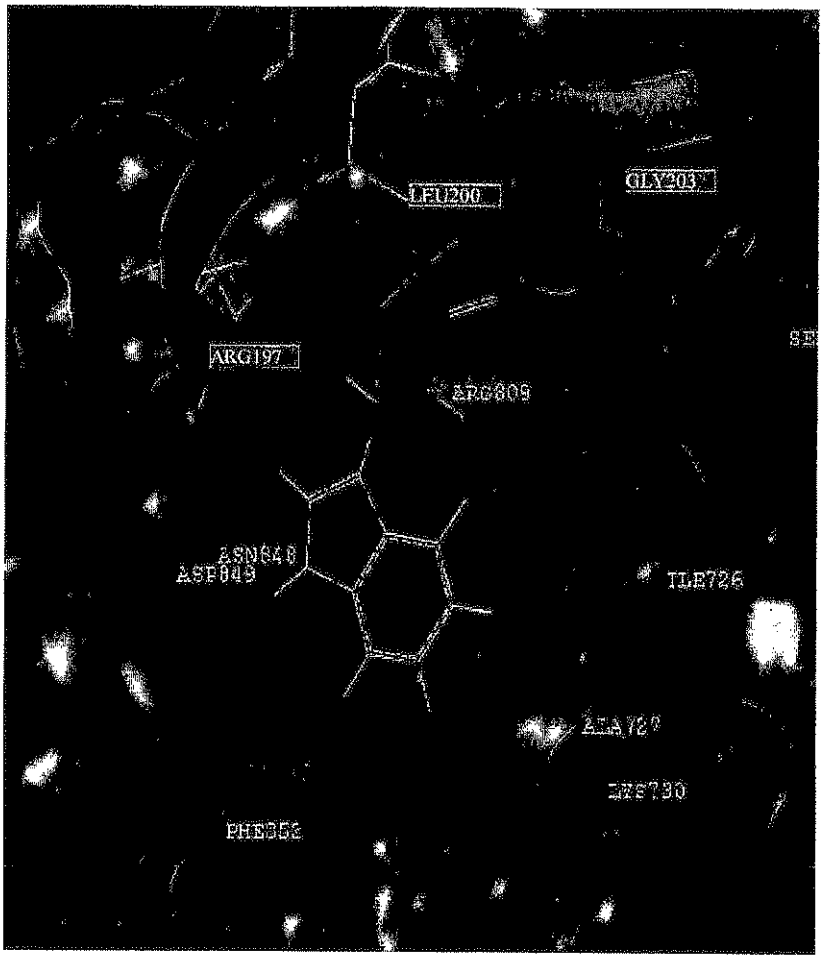

LEU200
GLY203
ARG197
ARG809
ASN648
ASP809
ILE726
ALA728
PHE356

Fig. 3

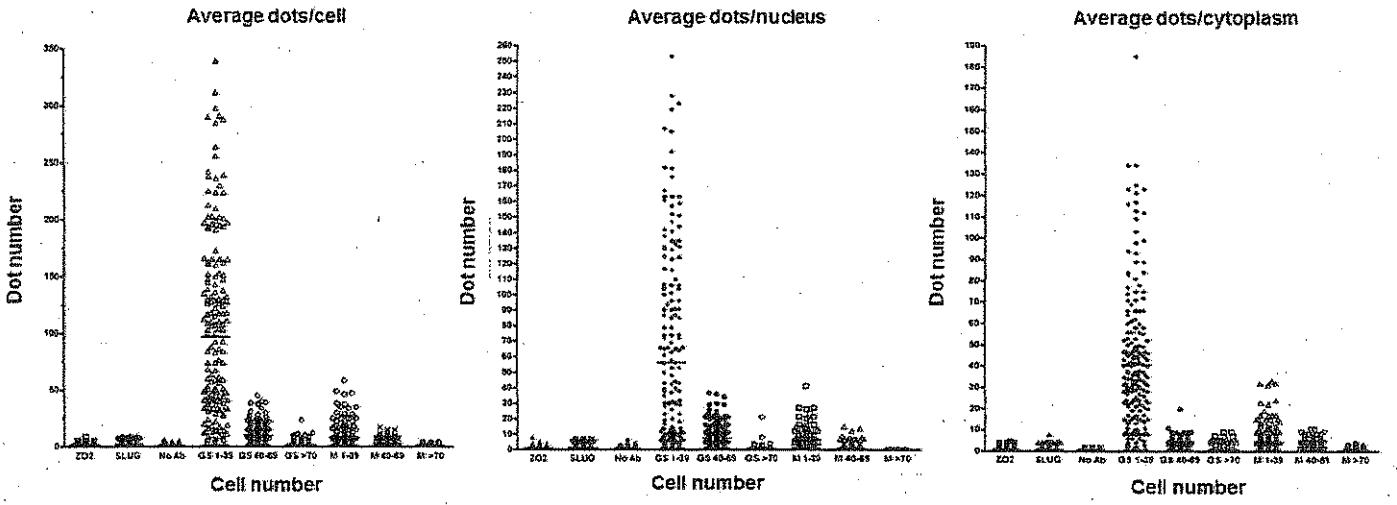


Fig. 4

NU FLAG ZO2 3PSGAP	ENHANCED NU STAINING OF GFP-SLUG	NORMAL NU STAINING OF GFP-SLUG	TOTAL
TRANSFECTED (OBSERVED)	a = 38	b = 16	a+b = 54
NON-TRANSFECTED (OBSERVED)	c = 10	d = 202	c+d = 212
TOTAL	a+c = 48	b+d = 218	a+b+c+d = 266

Fig. 5

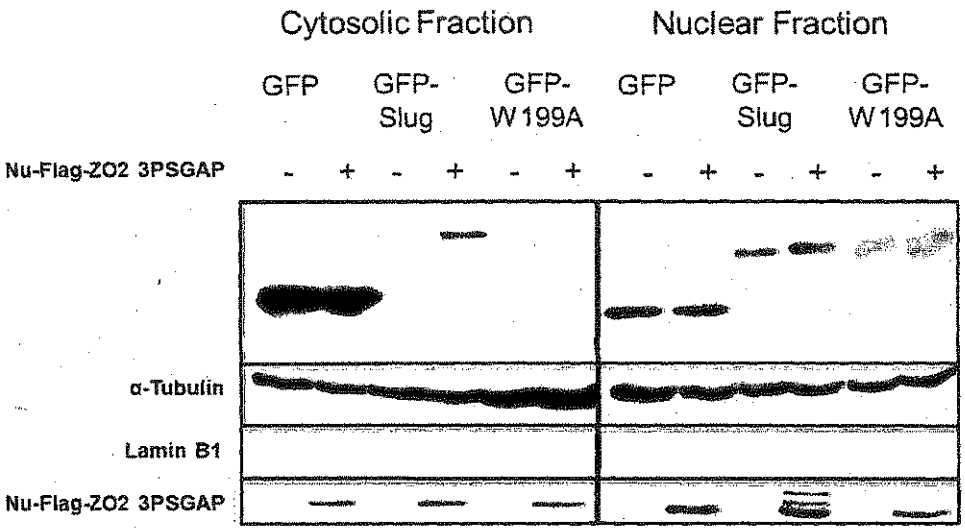

Cytosolic Fraction
Nuclear Fraction
GFP
GFP-Slug
GFP-W199A
GFP
GFP-Slug
GFP-W199A
Nu-Flag-ZO2 3PSGAP
- + - + - + - + - + - +
α-Tubulin
Lamin B1
Nu-Flag-ZO2 3PSGAP

Fig. 6

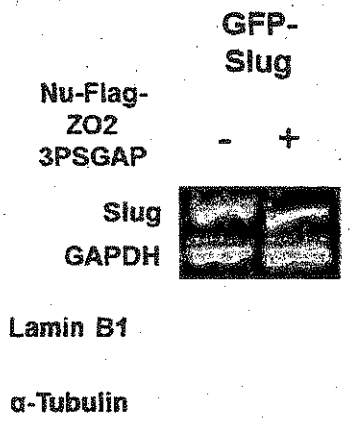

GFP-Slug
Nu-Flag-ZO2 3PSGAP
- +
Slug
GAPDH
Lamin B1
α-Tubulin

Fig. 7

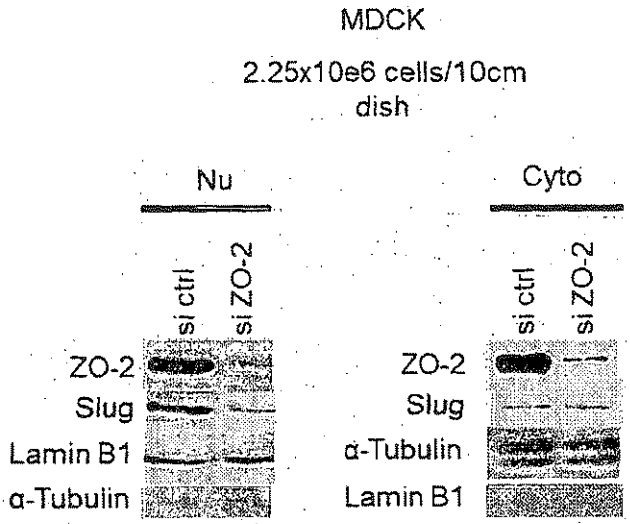


Fig. 8

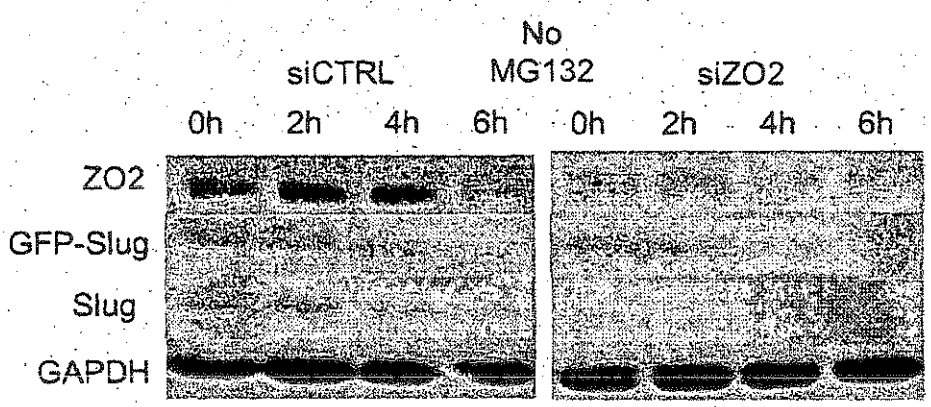


Fig. 9a

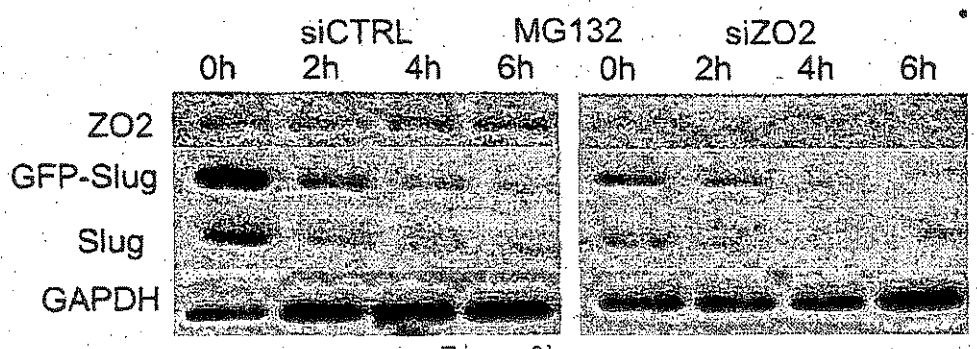


Fig. 9b

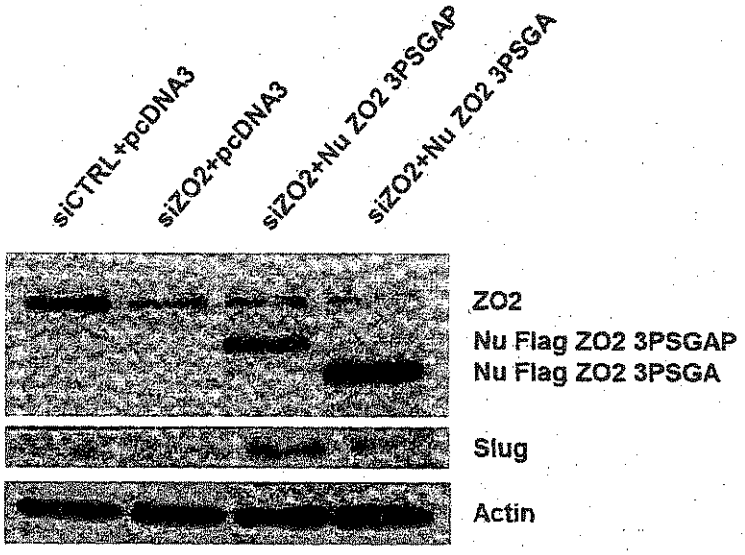

siCTRL+pcDNA3
siZO2+pcDNA3
siZO2+Nu ZO2 3PSGAP
siZO2+Nu ZO2 3PSGA
ZO2
Nu Flag ZO2 3PSGAP
Nu Flag ZO2 3PSGA
Slug
Actin

Fig. 10

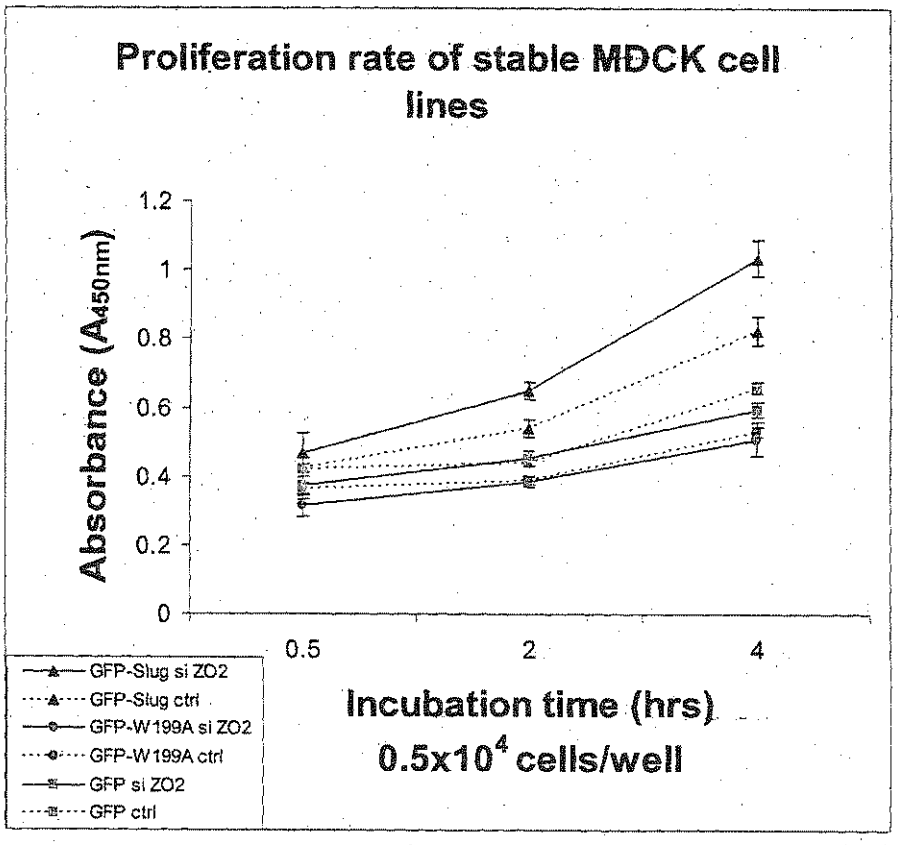

Proliferation rate of stable MDCK cell lines
Absorbance (A450nm)
1.2
1
0.8
0.6
0.4
0.2
0
0.5
2
4
Incubation time (hrs)
0.5x10^4 cells/well
GFP-Slug si ZO2
GFP-Slug ctrl
GFP-W199A si ZO2
GFP-W199A ctrl
GFP si ZO2
GFP ctrl

Fig. 11

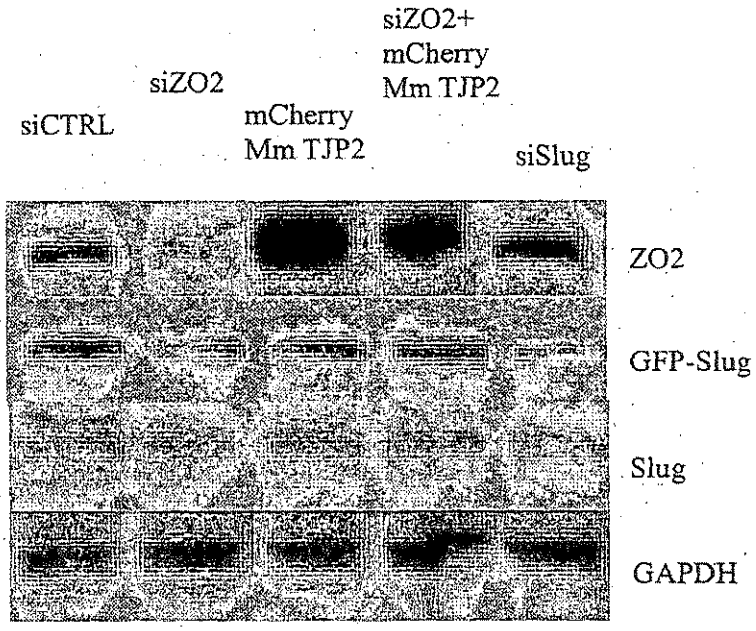

siCTRL
siZO2
mCherry Mm TJP2
siZO2+ mCherry Mm TJP2
siSlug
ZO2
GFP-Slug
Slug
GAPDH

Fig. 12

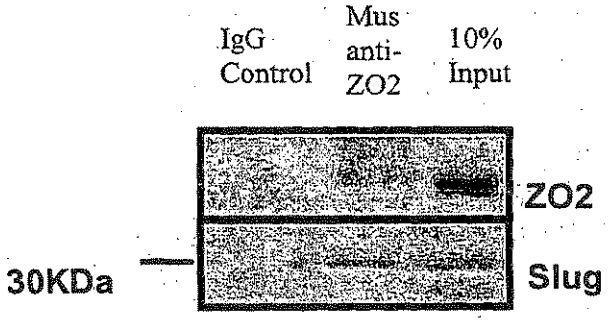
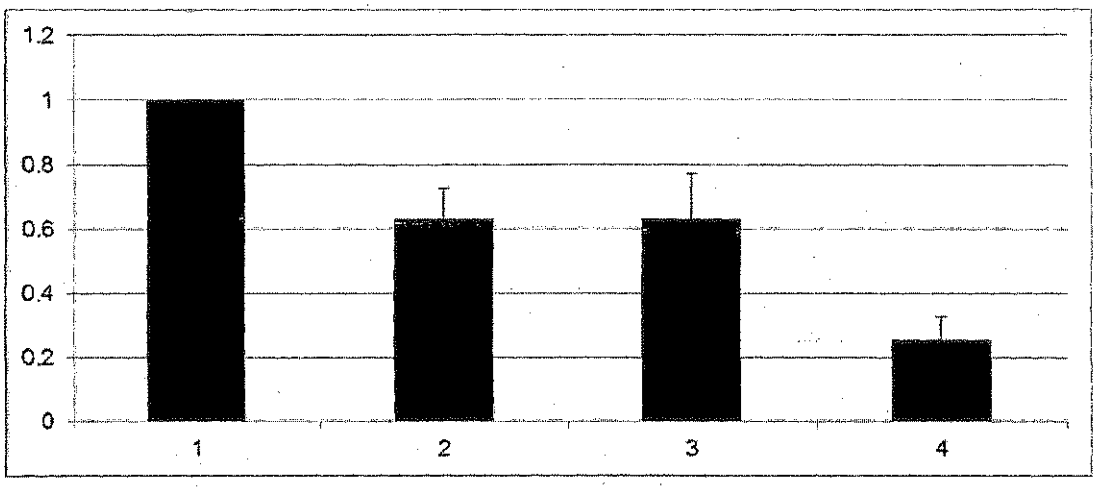

IgG Control
Mus anti-ZO2
10% Input
ZO2
30KDa
Slug

Fig. 13



GFP + mcherry

GFP-SLUG + mcherry

GFP + mcherry ZO2

GFP-SLUG + mcherry ZO2

Fig. 14