

Supplementary Table1

S.N	Experiment	Primary antibody		Secondary antibody
1	A: PAR4-Akt in 293	IP	Mouse anti flag (0.2µg/µl)	
		WB	Rabbit-Anti Akt (0.4µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
	B: PAR4-Akt in HCT	IP	Mouse anti PAR4 (0.2µg/µl)	
		WB	Rabbit-Anti Akt (0.4µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
		WB	Rabbit Anti PAR4 (2µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
	F. PAR4-Akt-CTP4	IP	Mouse anti flag (0.2µg/µl)	
		WB	Rabbit-Anti Akt (0.4µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti flag (2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
2.	A. PAR4-PH-Akt	IP	Mouse anti flag (0.2µg/µl)	
		WB	Anti GFP (0.4µg/µl)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
	B. PAR4-PH-Akt- R25C	IP	Mouse anti flag (0.2µg/µl)	
		WB	Anti GFP (0.4µg/µl)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 µg/ml)
	D. PAR4-AKT-WM	IP	Mouse anti flag (0.2µg/µl)	
		WB	Rabbit-Anti Akt (0.4µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 µg/ml)

		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti flag (2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	E. PAR4MutE346A- Akt	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	F. PAR4MutD349A/F347 L-Akt	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti flag (2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
3.	A. PAR4-GAB1	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Anti GAB1 (20ng/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	B. PAR4-SOS1	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Anti SOS1 (0.234 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	C. PAR4MutD349A/F347 L-SOS1	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Anti HA (1 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti flag (2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	D. PAR4-SOS1	IP	Mouse anti PAR4 (0.2 μ g/ μ l)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)

		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
4.	A. PAR4-Akt-Pc(4-4)	IP	Mouse anti flag (0.2 μ g/ μ l)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	E. PAR2-Akt-Pc(4-4)	IP	Mouse anti PAR2 (0.2 μ g/ μ l) (SantaCruz;sc-13504)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Rabbit Anti PAR2 (2 μ g/ml) (Abcam; ab180953)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
	F. PAR4-Akt-Pc(4-4)	IP	Mouse anti PAR4 (0.2 μ g/ μ l)	
		WB	Rabbit-Anti Akt (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Rabbit Anti PAR4 (2 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
	G. PAR4- β -Arrestin- Pc(4-4)	IP	Mouse anti PAR4 (0.2 μ g/ μ l)	
		WB	Rabbit Anti β -Arrestin (0.58 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Rabbit Anti PAR4 (2 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
6.	A&B. PAR4-EGFR	WB	Anti Phosphotyrosine (1 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
		WB	Anti GFP (0.4 μ g/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1 μ g/ml)
		WB	Mouse Anti- β Actin (0.2 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)
	C. PAR4MutD/F	WB	Anti Phosphotyrosine (1 μ g/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1 μ g/ml)

		WB	Anti GFP (0.4µg/ml)	Goat Anti-Rabbit IgG HRP conjugate (0.1µg/ml)
		WB	Mouse Anti-β Actin (0.2µg/ml)	Goat Anti-Mouse IgG HRP conjugate (0.1µg/ml)