

Abbreviations:

AC: Adenylate cyclase	GLP-1: Glucagon-like peptide-1
AF-6: Acute lymphoblastic leukemia 1 fusion partner from chromosome 6	Gs: Stimulatory G protein
AKAP: A-kinase anchoring protein	GST: Glutathion S-transferase
ATF1: Activating transcription factor 1	HA: Haemagglutinin
ATP: Adenosine triphosphate	HGF : Hepatocyte growth factor
cAMP: Cyclic adenosine 3',5' monophosphate	ICAM-1: Intercellular adhesion molecule 1
CAT: Catalytic domain of Epac	IP3-R: Inositol triphosphate receptor
CBP: CREB binding protein	LFA-1: Leukocyte function-associated molecule-1
CDC25: Cell division cycle 25	mAbs: Monoclonal antibodies
CFP: Cyan fluorescence protein	MAGI-1: MAGUK with inverted domain structure-1
CICR: Ca ²⁺ -induced Ca ²⁺ release	mAkap: Muscle-specific A-kinase anchoring protein
CNG channels: Cyclic nucleotide-gated cation channels	mantGDP: 2',3'-bis(O)-N-methyl-lantharanoloyl guanosine diphosphate
cNBD: cNMP binding domain	MAPK: Mitogen activated protein kinase
CREB: cAMP responsive element-binding protein	NHE3: Sodium-proton exchanger 3
CREM: cAMP response element modulator	NLS: Nuclear localization signal
DAG: Diacylglycerol	PBC: Phosphate binding cassette
DEP: Disheveled, Egl-10, Plekstrin	PDEs: phosphodiesterases
E6TP1: High-risk human papilloma viruses E6 oncoproteins targeted protein 1	PDZ: PSD-95/DlgA/ZO-1
EBP50: ERM binding phosphoprotein 50	PKA: Protein kinase A
EGF: Epidermal growth factor	PKB: Protein kinase B
EM: Electron microscope	PLC ζ : Phospholipase C ζ
Epac: Exchange protein directly activated by cAMP	pAb: Polyclonal antibody
ERM: Ezrin, Radixin and Moesin	R9AP: RGS9 anchoring protein
FERM: Four-point-1 ERM	RA: Ras association
ERK(5): Extracellular signal regulated kinase (5)	RanBP2: RAN binding protein 2
EzB: Ezrin binding	RBD: Ras binding domain
FRET: Fluorescence resonance energy transfer	RD: Regulatory domain of Epac
GAPDH: Glyceraldehyde phosphate dehydrogenase	REM: Ras exchange motif
GAPs: GTPase activating proteins	RGS9: Regulator of G-protein signaling 9
GEF: Guanine nucleotide exchange factor	Rim2 : Rab3-interaction molecule 2
GFP: Green fluorescence protein	RYR: Ryanodine receptor
Gi: Inhibitory G protein	S1P: Sphingosine-1-phosphate
007: 8-pCPT-2'OMe-cAMP	siRNA: Small interfering RNA
	SPA1: Signal induced proliferation association protein 1
	YFP: Yellow fluorescence protein