

name	C-terminal sequence	UniprotID	long name	organism	function linked to PDZ	interactions with PDZ-containing proteins				this study
						protein	PDZ	Kd (µM)	source (PMID)	
16E6	SSRTRRETQL	VE6 HPV16	early protein E6	human papilloma virus 16	Binds and targets human PDZ-domain containing proteins to degradation.	MAGI1	2/6	2.5	Fournane et al., 11571640	3, 9 µM
						MAGI1	19285702			
						GOPC	1/1		16878151	
						PTN3	1/1		17166906, 17947517	
						TIP1	1/1		15492812	
						DLG1	2/3		9326658	
						DLG1	3/3		9326658	
						DLG4	1/3		17121805	
						DLG4	2/3		17121805	
						SCRIB			11027293, 19285702, 18160445	✓
TAX1	SEKHFRETEV	TAX_HTL1A	Trans-activating transcriptional regulatory protein of HTLV-1	HTLV-1A	Interaction with PDZ domain-containing proteins induces IL2-independent growth, which may be a factor in multi-step leukemogenesis. Inhibits the action of at least three cellular tumor suppressors TP53/p53, RB1 and DLG1.	DLG1, MAGI3, TIP1			Uniprot	
						MAGI1	2/6	3	Fournane et al.	53 µM
						Erbin			17633453, 19472191	
						SCRIB			18661220	✓
						MAGI1	2/6	0.8	Fournane et al., 11571640	1, 2, 18 µM
16E6L/V	SSRTRRETQV		early protein E6 L158V	human papilloma virus 16		DLG1			9326658, 11571640	
						DLG4			17121805	
						CAL	1/1		16878151	
						PTN3	1/1		17947517	

ABC1	QDEKVKESYV	ABCA1_HUMAN	ATP-binding cassette sub-family A member 1	human	cAMP-dependent and sulfonylurea sensitive anion transporter.	SNTA1	14722086	
						SNTB1, SNTB2	16192269, 12054535	
						ARGHEF11, ARGHEF12, DLG2, DLG3, LIN7A, LIN7B, LIN7C, MPDZ	16192269	
NET1	SGGKRKETLV	ARHG8_HUMAN	Neuroepithelial cell-transforming gene 1 protein	human	Acts as guanine nucleotide exchange factor (GEF) for RhoA GTPase.	DLG1, DLG3, DLG4, LIN7C	17938206	
						MAGI1 2/6	5	Fournane et al., 11350080 3 µM
						MAGI1 3/6	no binding	11350080 binding
PTEN	EDQHTQITKV	PTEN_HUMAN	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN	human	Modulates cell cycle progression and cell survival, inhibits cell migration and integrin-mediated cell spreading and focal adhesion formation, synapse formation.	MAGI1 3/6	15629897	✓
						MAGI2 3/6	10760291	
						MAGI3 3/6	10748157	
VANG2	VMRLQSETSV	VANG2_HUMAN	Vang-like protein 2	human	Plays a role in the regulation of planar cell polarity	DLG1, MAST1, MAST2, MAST3	15951562	
						SCRIB 3/4	16687519	✓
						SCRIB 34/4	16687519, 16791850	✓
						SCRIB 2/4	weak	16687519
						SCRIB 4/4	weak	16687519
						SCRIB 23/4	16791850	
						DVL1, DVL2, DVL3	15456783	
						MAGI3 2/6	15195140	
ADAM17	NRVDSKETEC	ADA17_HUMAN	Disintegrin and metalloproteinase domain-containing protein 17	human	cleaves membrane-anchored and cell-surface proteins for their activation or degradation	DLG1	18930083	
						DLG1 3/3	12668732	
						PTPH1 1/1	12207026	
FZD4	KPGKGSETVV	FZD4_HUMAN	Frizzled-4	human	may be involved in transduction and intercellular transmission of polarity information during tissue morphogenesis and/or in differentiated tissues	MAGI3 2/6	15195140	

GLAST	EKPIDSETKM	EAA1_HUMAN	Excitatory amino acid transporter 1	human	Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft.	NHERF1	1/2	17048262	
						NHERF2		20430067	
DLL1	KDECVIATEV	DLL1_HUMAN	Delta-like protein 1	human					
ARHGAP6	NPDALPETLV	RHG06_HUMAN	Rho GTPase-activating protein 6	human	Could regulate the interactions of signaling molecules with the actin cytoskeleton				
TANC1	PKRSFIESNV	TANC1_HUMAN	Tetratricopeptide repeat, ankyrin repeat and coiled-coil domain-containing protein 1	human	may be a scaffold component in the postsynaptic density, interacts probably directly with DLG1 and DLG4				
GLUT7	TASPAKETSF	GTR7_HUMAN	Solute carrier family 2, facilitated glucose transporter member 7	human					
TMEM215	QGRWDHETIV	TM215_HUMAN	Transmembrane protein 215	human					
MARCH3	VKRNSKETVV	MARH3_HUMAN	E3 ubiquitin-protein ligase MARCH3	human	Mutational analyses revealed that the PDZ-binding motif and RING finger are essential for the subcellular localization of MARCH-III and the inhibitory effect on transferrin uptake (16428329), MARCH2 binds PDZs of DLG1 (17980554) but has different C-terminus than MARCH3: LKKVAEETPV				
MAS	CNTVTVETVV	MAS_HUMAN	Proto-oncogene Mas	human	Receptor for angiotensin 1-7, belongs to the G-protein coupled receptor 1 family.				
ATP1A1	GGWVEKETYYY	AT1A1_HUMAN	Sodium/potassium-transporting ATPase subunit alpha-1	human					
CYSLTR2	SVWLRKETRV	CLTR2_HUMAN	Cysteinyl leukotriene receptor 2	human					
TTC24	PMESGICTIV	TTC24_HUMAN	Tetratricopeptide repeat protein 24	human					