

A-Kinase Anchoring Protein 79/150 Scaffolds Transient Receptor Potential A 1  
Phosphorylation and Sensitization by Metabotropic Glutamate Receptor Activation

Allison Doyle Brackley<sup>1</sup>, Ruben Gomez<sup>2</sup>, Kristi A. Guerrero<sup>2</sup>, Armen N. Akopian<sup>3</sup>,  
Marc J. Glucksman<sup>4</sup>, Junhui Du<sup>4</sup>, Susan M. Carlton<sup>5</sup>, Nathaniel A. Jeske<sup>1, 2, 6</sup>

**Supplementary Figure 1**

1	MKRSLRRVLR	PEERKEVQGV	VYRGVGDMD	CSKESFKVDI	EGDMCRLEAF
51	IKNRRKLSKY	EDENLCLLHH	AAAEGQVELM	QLIINGSSCE	ALNVMDYGN
101	TPLHWAAEKN	QVESVKFLLS	QGPNPLNRNR	NMMAPLHIAV	QGMVNEVIKV
151	LTEHKATNIN	LEGENGNTAL	MSTCAKDNSE	ALQILLEKGA	KLCKSNKWGD
201	YPVHQAAFSG	AKRCMELILA	YGEKTGYSRE	AHINRVNHKK	ASPLHLAVQS
251	GDLDMIKMCL	DSGAHIDMME	NAKCMALHFA	ATQGATDIVK	LMISSYTGSS
301	DIVNAVDGNQ	ETLLHRASLF	DHDLADYLI	SVGADINSTD	SEGRSPLILA
351	TASASWNIVN	LLLSKGAKVD	IKDHLGRNFL	HLTVQQPYGL	RNLRPEFLQM
401	QHIKELVMDE	DNDGCTPLHY	ACRQGAPVSV	NNLLRFNVSV	HSKSKDKKSP
451	LHFAASYGRI	NTCQRLQDI	SDTRLNEG	LHGMPHLA	AKNGHDKVVQ
501	LLLKKGALFL	SDHNGWTALH	HASMGGYTQT	MKVILDTNLK	CTDRLDEEGN
551	TALHFAAREG	HAKAVAMLLS	YNADILLNKK	QASFLHIALH	NKRKEVLT
601	IRSKRWDECL	QVFTHDSPSN	RCPIMEMVEY	LPECMKVLLD	FCMIPSTEDK
651	SCQDYHIEYN	FKYLQCPLSM	TKKVTPQDV	IYEPLTILNV	MVQHNRIELL
701	NHPVCREYLL	MKWCAYGFR	HMMNLGSYCL	GLIPMTLLV	KIQPGMAFNS
751	TGIINETIST	HEERINTLNS	FPLKICMILV	FLSSIFGYCK	EVVQIFQQR
801	NYFLDYNNAL	EWVIYTTSMI	FVLPLFLDIP	AYMQWQCGAI	AIFFYWMNFL
851	LYLQRFENCG	IFIVMLEVIF	KTLLRSTGVF	IFLLAFGLS	FYVLLNFQDA
901	FSTPLLSLIQ	TFSMMLGDIN	YRDAFLEPLF	RNELAYPVL	FGQLIAFTMF
951	VPIVLMNLLI	GLAVGDIAEV	QKHASLKR	IA MQVELHTNLE	KKLPFWYLRK
1001	VDQRSTIVYP	NRPRHGRMLR	FFHYFLSMQE	TRQEAPNIDT	CLEMEILKQK
1051	YRLKDLTSL	EKQHELIKLI	IQKMEISET	EDEDNHCSFQ	DRFKKERLEQ
1101	MHSKWNFVLN	AVKTKTHCSI	SHPDI		

**Supplementary Figure 1. TRPA1 Antibody Verification.** Rat TRPA1 sequence is indicated, with thirteen tryptic fragments sequenced by mass spectroscopic analyses (in yellow) of immunoprecipitated TRPA1.