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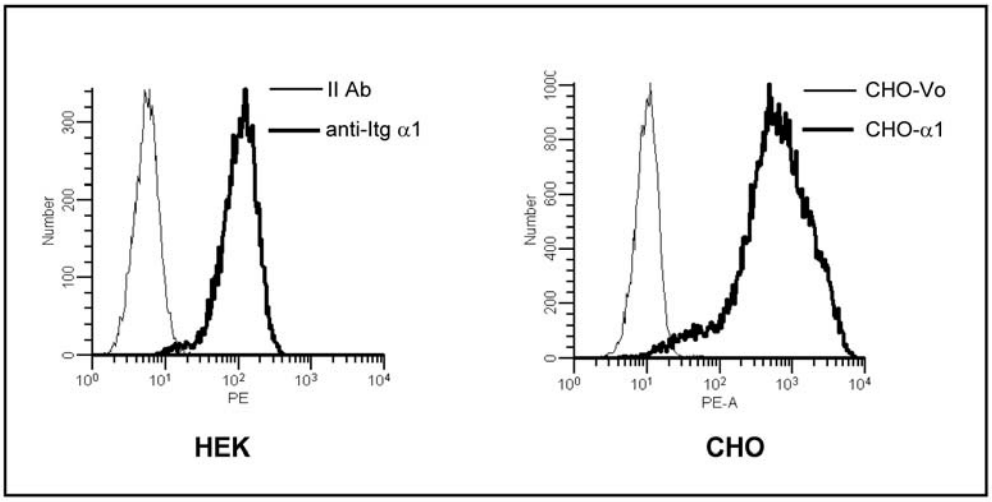
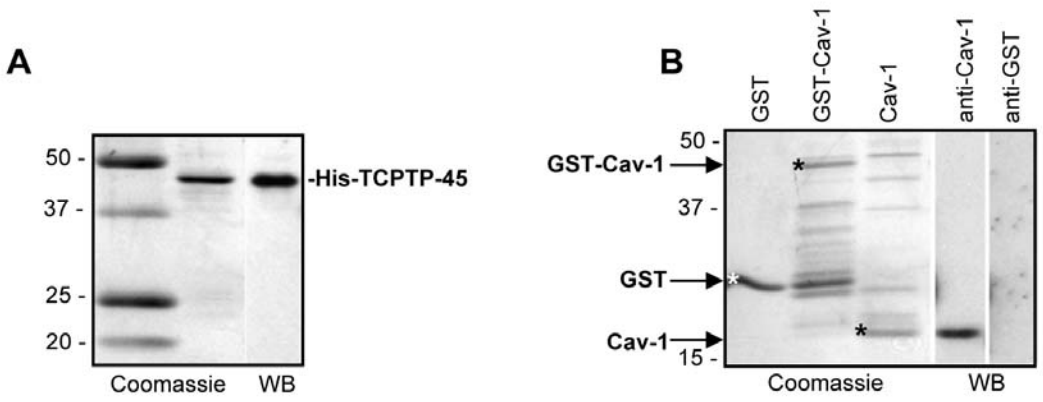


Supplemental Figure 1

FACS analysis of HEK and CHO cells. HEK or CHO either expressing (CHO-α1) or not (CHO-Vo) the human integrin α1 subunit were analyzed by FACS with anti-human integrin α1 antibody to evaluate surface expression of integrin α1β1.



Supplemental Figure 2
(A, B) Coomassie and western blot analysis showing purified His-tagged full length TCPTP (His-TCPTP-45) **(A)** and GST-cleaved Cav-1 **(B).**

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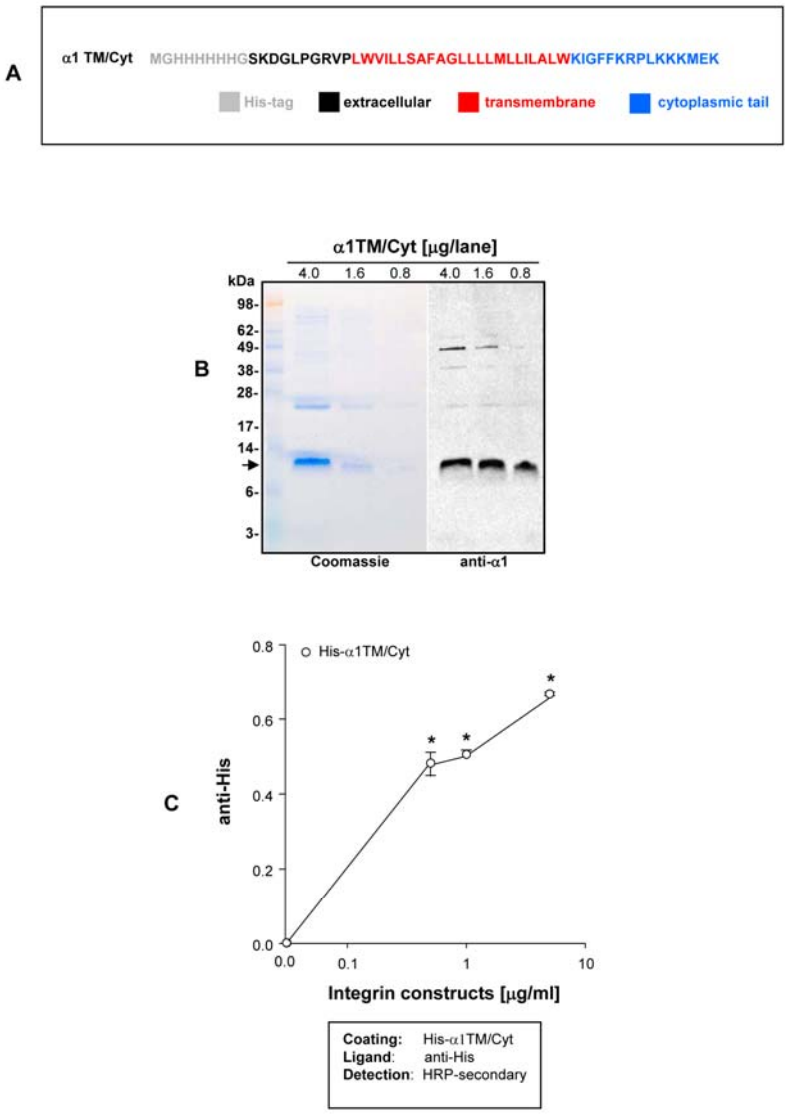

Supplemental Figure 3

(A) Schematic representation of the His-tagged integrin α1 TM/Cyt construct used in ELISA assays. **(B)** *Left*: Coomassie of purified His-tagged α1 TM/Cyt constructs run under non-denaturing conditions. *Right*: Western blot of purified His-tagged α1 TM/Cyt constructs run under non-denaturing conditions and detected using anti-human integrin α1 cytoplasmic tail antibodies. The arrow indicates monomeric forms of this construct. **(C)** His-tagged α1 TM/Cyt was coated at the indicated concentration and immobilized constructs were detected with anti-His antibodies. One representative experiment performed in triplicates is shown. Three independent experiments were performed with similar results. (*) indicates significant differences ($p<0.05$) between uncoated vs. coated wells.

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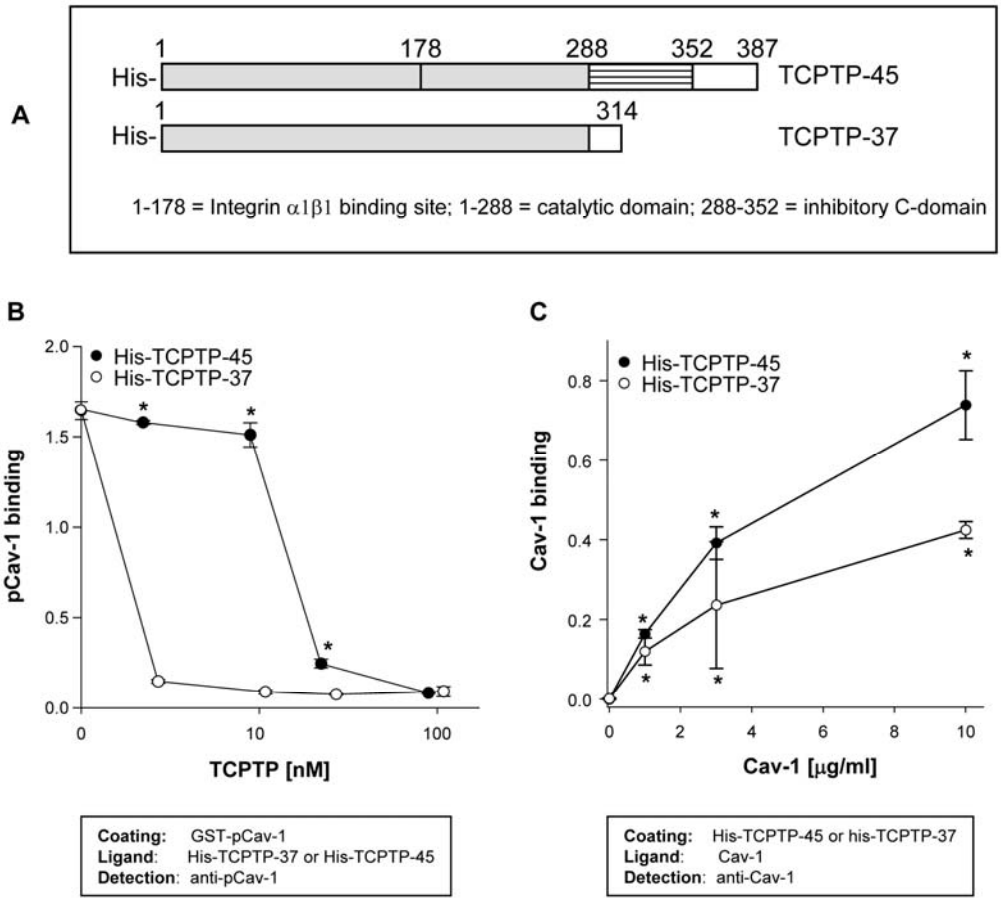

Supplemental Figure 4

(A) Schematic representation of full length (TCPTP-45) and constitutively active (TCPTP-37) TCPTP indicating the integrin α1 binding site, the catalytic domain, and the inhibitory C-terminus domain. **(B)** Immobilized pCav-1 (5μg/ml) was incubated with increasing nM concentrations of His-TCPTP-45 or His-TCPTP-37 followed by incubation with anti-pCav-1 antibodies. One representative experiment performed in triplicates is shown. Two experiments were performed with similar results. (*) is as in Fig. 6A. **(C)** Immobilized full length (TCPTP-45) or constitutively active (TCPTP-37) His-TCPTP (2 μg/ml) was incubated with increasing amounts of purified Cav-1 and bound Cav-1 was detected with anti-Cav-1 antibodies. One representative experiment performed in triplicates is shown. Two independent experiments were performed with similar results. (*) indicates significant difference ($p<0.05$) between uncoated vs. coated wells.