**Supplementary Figure 1**

p38δ Mitogen-Activated Protein Kinase Regulates the Expression of Tight Junction Protein ZO-1 in Differentiating Human Epidermal Keratinocytes

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**Supplement Figure 1A**

Western analyses of five independent normal human keratinocyte experiments show biphasic activation of p38 cultured in high Ca2+ for various times.

**Supplement Figure 1B**

Quantitation of Western analysis in Figure 1C to demonstrate decrease of ZO-1 protein level after knockdown of p38δ with siRNA.