达,和我们的研究结果是一致的[18]。

高糖导致 RPE 细胞各种功能的改变,在 DR 中起的作用正受到越来越多的关注。我们的研究发现高糖上调 ARPE-19 细胞 TLR2 的表达,高糖可能是通过 PKC-α 途径影响 ARPE-19 细胞 TLR2 的表达。TLR2 信号通路很有可能参与到 DR 的发病机制中,RPE 细胞表达的 TLR2 识别视网膜释放的内源性危险信号分子,上调促炎症因子、促血管生成因子的表达,加重炎症损伤和血-视网膜屏障的损伤,然而 TLR2 在 DR 中的具体作用仍需要更深入的研究证实。

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