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transient receptor potential melastatin

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hDPSCs

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RT-PCR

TRPM6

TRPM7

hDPSCs mRNA

Western blot

TRPM7

hDPSCs

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TRPM7			hDPSCs
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The expression of transient receptor potential melastatin 7 in human dental pulp stem cells and pulp tissue

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[Abstract] **Objective:** To investigate the expression pattern of transient receptor potential melastatin 7 (TRPM7) in human dental pulp stem cells and pulp tissue, laying the foundation for further revealing the role of TRPM7 in proliferation and differentiation of hDPSCs and tooth germ development. **Methods:** hDPSCs were obtained by collagenase digestion method. Characteristic phenotype and biological property of hDPSCs were verified. RT-PCR and Western blot was used to detect TRPM6 and TRPM7 mRNA level and TRPM7 protein level in hDPSCs respectively. TRPM7 protein was located by immunofluorescence in hDPSCs and

