

**Cooling history of granitic rocks in Kashiwazima district, western Shikoku**

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K-Ar and FT analyses were carried out on biotite, zircon and apatite from the granitic rocks in Kashiwazima district, western Shikoku in order to reveal the cooling history. In approximately 14Ma, the granitic rocks intruded into the Paleogene melange of Shimanto Belt. These ages suggest rapid cooling of the granitic rocks in the temperature range of 100°C from 300°C in 14-13Ma. The rapid cooling of the granitic rocks in Kashiwazima district at 14-13Ma indicates that the Paleogene melange of Shimanto Belt in the area had already cooled at that time.