

Granulite or gabbroonorite?: Criteria for distinction between granulite and gabbroonorite in the Oman ophiolite

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The appearance of gabbroonorite in the Oman ophiolite has a special significance and is regarded as an indicator of segment boundary (Juteau et al., 1988; MacLeod et al., 1992; Lachize, 1996; Boudier et al., 2001). However, there exist several different gabbroonorites with different origins in the Oman ophiolite (Adachi and Miyashita, 2003; Miyashita et al., 2002). Furthermore, some gabbroonorites show micro-granular texture resembling to the texture of granulite (metamorphosed sheeted dike complex). It is important to distinct between the granulites and gabbroonorites to understand magmatic and gologic processes beneath ocean ridges.