

Chemical interaction between basic plutonic complex and tonalitic xenoliths in the Nozuka-dake area, Hidaka metamorphic belt

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Basic plutonic complex is dominated by Nozuka-dake area of the Hidaka metamorphic belt within tonalitic xenoliths. The basic plutonic complex shows free from mylonitization, and intrudes into the granulite-facies metamorphic rocks which have distinctive mylonitic foliation. This fact suggests that the basic plutonic complex has been emplacement after the mylonitization during the uplift of Hidaka metamorphic belt. The tonalitic xenoliths have been taken place anatexis, giving rise to the peraluminous melt, and interacted with basic magma.