

Figure S1 Geological sketch map of the Dabie orogen. Revised after Dai et al. (2011).

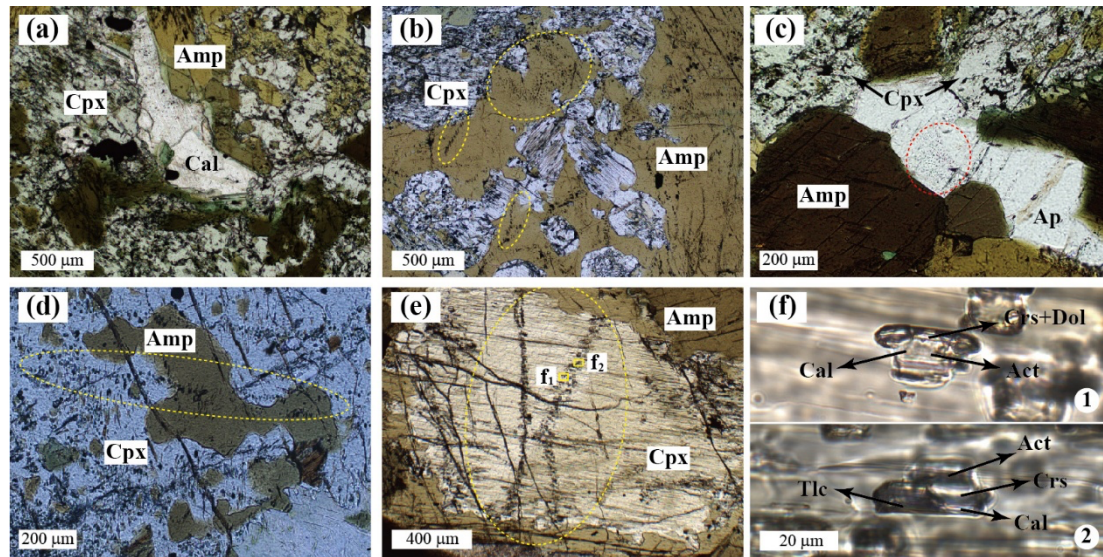
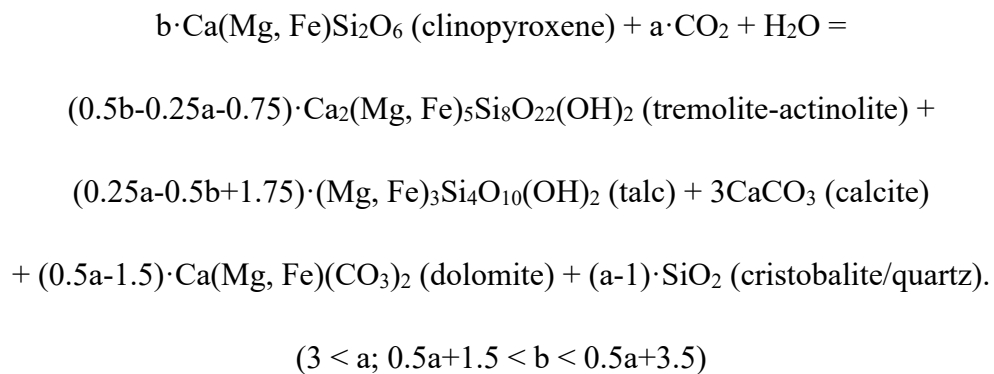


Figure S2 Representative photomicrographs of hornblende from the Dabie orogen, with trails and patches of fluid inclusions in amphibole, apatite, and clinopyroxene highlighted by circles. Fluid inclusions in clinopyroxene (e–f) were also subjected to internal mineral carbonation, with production of calcite, dolomite, quartz/cristobalite actinolite, and talc, following the reaction (Zhang et al. 2023):



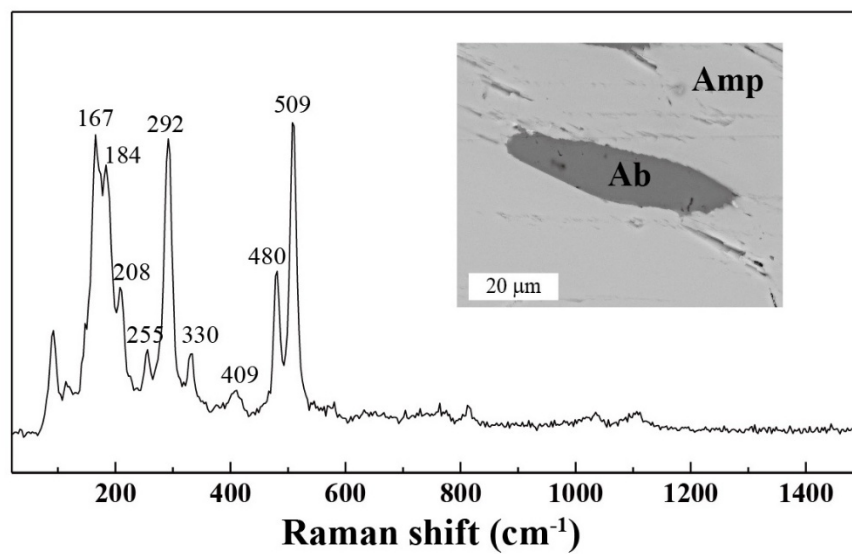


Figure S3 BSE image and Raman spectrum of an albite inclusion in amphibole from the Dabie hornblendite.

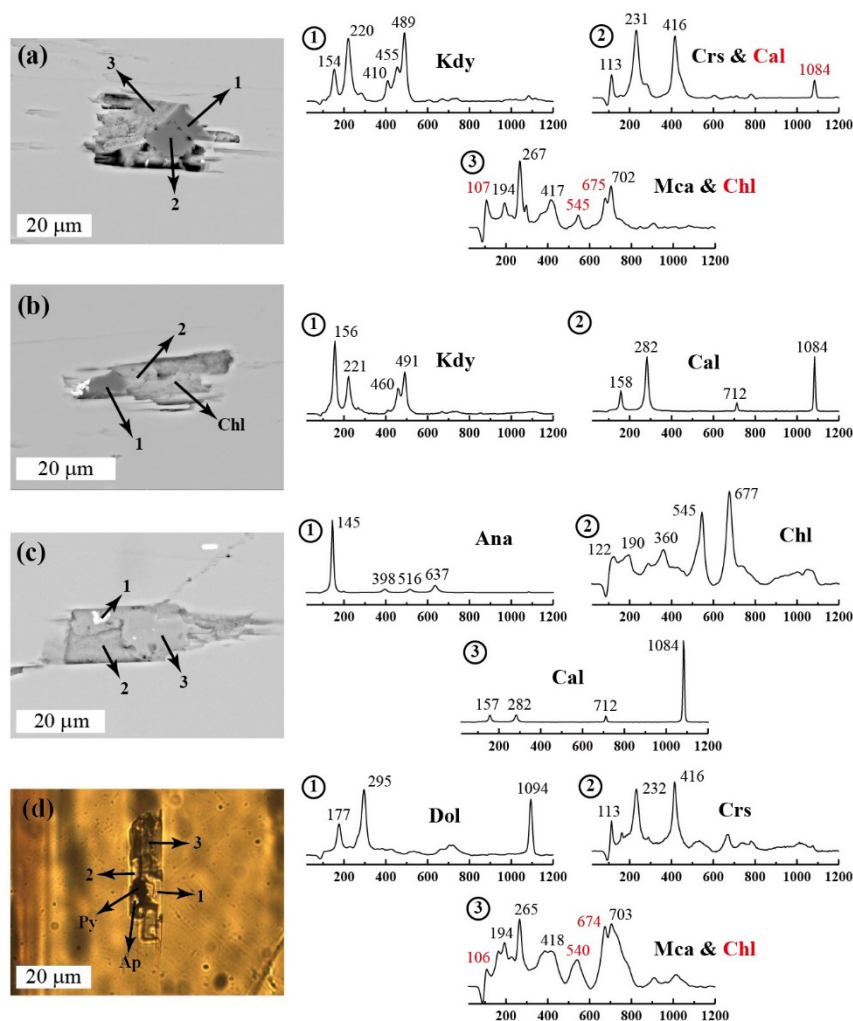


Figure S4 Raman spectra of representative fluid inclusions within amphibole in the Dabie hornblendite, including (a–c) opened fluid inclusions and (d) an intact fluid inclusion.

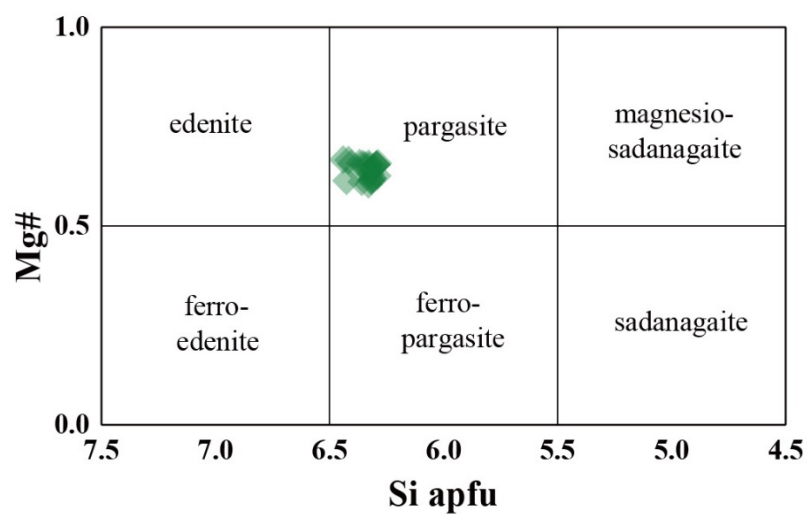


Figure S5 Classification of amphibole from the Dabie hornblendite (Leake et al. 1997).

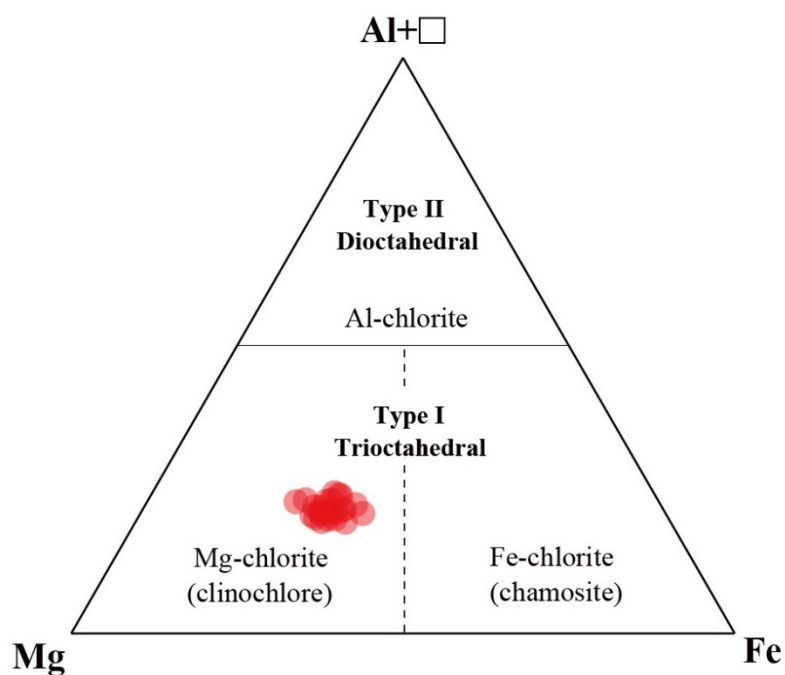


Figure S6 Classification of chlorite within fluid inclusions in amphibole from the Dabie hornblendite (Zane and Weiss 1998).