

## Seismic reflection survey on the Hyakusaiji fault along the west margin of Suzuka Mountains in central Japan

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We surveyed subsurface structure of Suzuka-sanchi seien fault zone by a seismic reflection method. The reflection profile shows two deformation structures. Eastern one is caused by a reverse fault (the Hyakusaiji fault) between Plio-Pleistocene sediment (Kobiwako group) and the mountain block. Kobiwako group is dipping very steep near the fault. Another structure is anticlinal deformation of Kobiwako group c. 2 km west to the Hyakusaiji fault. Vertical displacement on western flank of this anticline is larger than on eastern flank, and amount of deformation of Kobiwako group had accumulated during Kobiwako group deposited.