AT1ABR cells transfected with GFP-vector (ATM−/−), GFP-wild-type ATM (ATMWT) or GFP-kinase-dead ATM (ATMKD) were unirradiated, irradiated with 10 Gy IR or incubated with 0.5 μM OA for 2 hours. ATM was immunoprecipitated and assayed for kinase activity using PHAS-I as substrate. Immunoprecipitates were also immunoblotted for ATM serine-1981 and total ATM as indicated.