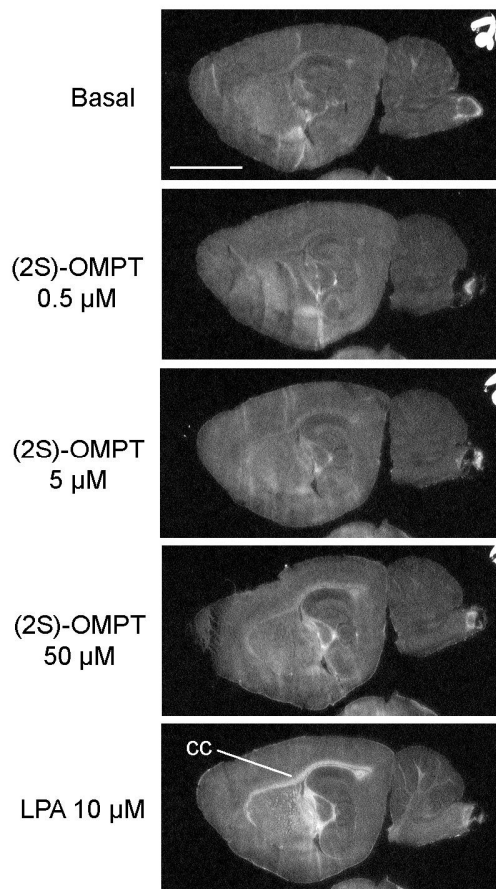




Additional file 4. In [35 S]GTP γ S autoradiography, the LPA $_3$ receptor-preferring agonist (2S)-OMPT induces only a weak response as compared to the signal evoked by LPA. Functional autoradiography using sagittal sections of 4 week-old rat brain was performed using a three-step protocol as described in Methods. (2S)-OMPT or LPA were included during the [35 S]GTP γ S labelling step which additionally contained 0.1 % BSA. (2S)-OMPT (0.5 μ M to 50 μ M) induces a weak dose-dependent signal in the white matter tracts. Even with the highest concentration (50 μ M), (2S)-OMPT-evoked response was considerably weaker than that evoked by LPA (10 μ M) (cc, corpus callosum). Scale bar = 5 mm.