

Figure 1. Determination of the LC stimulation sites. (A) Cortical desynchronization mapping along dorso-ventral penetration passing through the LC. When the electrode was shifted 400 µm from the electrode position where cortical desynchronization occurred (red circle in the right-hand image), a change was not observed (red cross). (B) Identification of the stimulation site by histology. Nissl-stained sections containing LCs are marked with an asterisk indicating the electrode tip (right-hand image). The location of the desynchronization-inducing electrode was localized to the LC. LC, locus coeruleus; CB, cerebellum; Me5, trigeminal mesencephalic nucleus; 4V, fourth ventricle.