c-Raf-1 and A-6403 double labelling

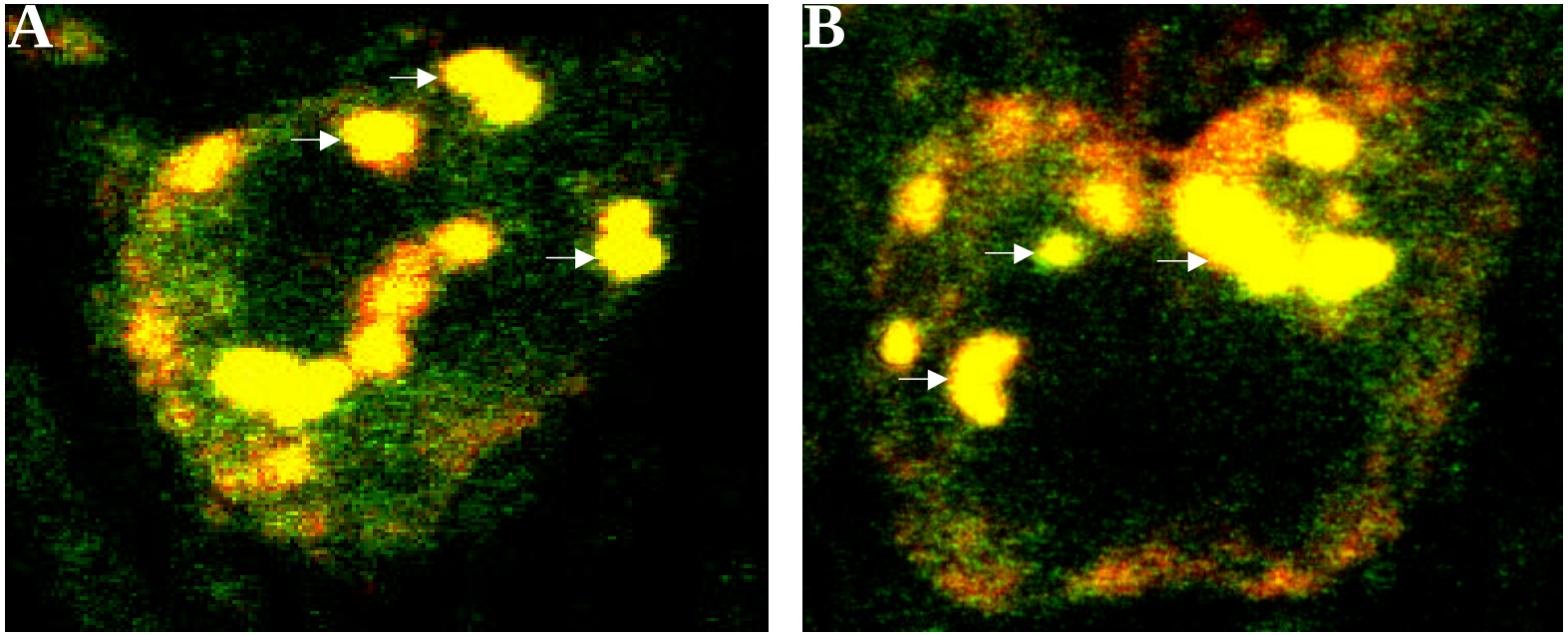

Fig. 13. Photomicrographs of double immuofluorescence of coronal sections through the facial nucleus of the adult mouse brainstem. The sections were immunoreacted with specific antibodies against c-Raf-1 and cytochrome c oxidase subunit I A-6403 by employing different combinations of fluorochrome-labelled secondary antibodies. Single motoneurons in the same section stained with c-Raf-1/Cy2 (green) and A-6403/Cy3 (red) were selected and analyzed by confocal laser scanning microscopy (50 X, TCS, Leica, Heidelberg, Germany) using double filters for visualization of combined fluorescence (orange, A,B). Note that c-Raf-1 and A-6403 immunorecativities are almost colocalized to mitochondria (orange, arrows) in motoneurons. However, not all of c-Raf-1 immunoreactivity (green) is localized at mitochondria, some was detectable in other cytoplasmic regions of the motoneurons.