



Fig. 10. Photomicrographs of immunofluorescence of coronal sections at the level of the facial nucleus of brainstem and the lumbar part of spinal cord of adult mice under the conventional microscope (50 X). The sections were immunostained with specific antibodies against B-Raf (A,C) and c-Raf-1 (B,D) protein kinases by using Cy3 fluorochrome-labelled secondary antibody for visualization. Note that B-Raf and c-Raf-1 are confined obviously to the cytoplasm of the motoneurons. In lumbar spinal motoneurons, distinct immunoreactivity was detectable in small cytoplasmic compartments (arrows) which are considered as mitochondria (see text). Also should note that B-Raf and c-Raf-1 proteins are immunodetected in motoneurons within the same regions but with a slightly differential staining intensity. B-Raf immunoreactivity is more intense than c-Raf-1.