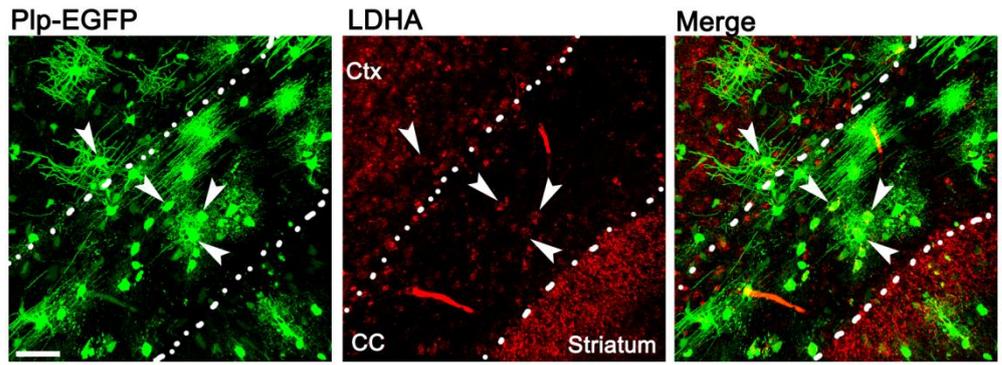


Antibodies from Novus had been tested on immunohistochemistry. :
Lactate Dehydrogenase A rabbit Antibody , Novus # NBP1-48336
Mouse beta-cateinin antibody (Novus, #NBP1-24456)

Immunohistochemistry. Perfusion of mice and immunostaining for proteins were performed as described (Trapp et al. 1997) with slight modifications. On day 1, free floating brain sections (30um) were cut on a sliding microtome (Leica). Sections were washed three times in PBS and antigen retrieval was performed with 10 mM sodium citrate (pH6.0) at 65°C for 10 min in a BioWave (Ted Pella, Redding, CA). Sections were rinsed in PBS twice, and blocked in 5% normal donkey serum (NDS) with 3% Triton X-100 for 1 h at RT. Primary antibodies were diluted in 3% NDS containing 1% Triton X-100, and sections were then incubated for overnight at 4°C. Both antibodies antibodies were used at 1:200 (Further dilution need to be tested). On day 2, sections were washed three times in PBS, incubated for 1h at RT in secondary antibodies (Jackson Immunologicals, West Grove, PA) (1:800).Sections were mounted with Vectashield (Vector Laboratories #H-100, Burlingame, CA).All the images were took at 40X oil using a Leica SP5 confocol microscopy.

Reviews on Lactate Dehydrogenase A rabbit Antibody , Novus # NBP1-48336
The postnatal day 8(P8) Plp-EGFP transgenic mice brain section were used to test the Lactate Dehydrogenase A antibody, this mice expressed the EGFP driven by proteolipid protein 1 (Plp) promoter which specific expressed in the oligodendrocytes. The Lactate Dehydrogenase A staining nicely colocalized with the EGFP in the corpus callosum in brain, which is consistent with the finding that oligodendrocytes produce lactate for supporting the axon (Lactate Dehydrogenase A convert pyruvate to lactate during gylcolysis). The Lactate Dehydrogenase A staining was also found in the cortex neuronal cell bodies. The puncta staining pattern was seen by Lactate Dehydrogenase A antibody, which may represent a mitochondrial localization of this enzyme, this location had been observed previously. Since the antibody do not stain all the cells in the corpus callosum (CC),indicate it did not non-specific stain all the cells.



Lactate Dehydrogenase A rabbit Antibody , Novus # NBP1-48336