

OLIG2 (phospho-S147) polyclonal antibody

Catalog: AP0734

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

OLIG1 and OLIG2 are specifically expressed in nervous tissue as gene regulators of oligodendrogenesis. OLIG2 is more widely expressed in embryonic brain than OLIG1, while OLIG3 is primarily expressed in non-neural tissues. OLIG1 and OLIG2 interact with the Nkx-2.2 homeodomain protein, which is responsible for directing ventral neuronal patterning in response to graded Sonic hedgehog signaling in the embryonic neural tube. These interactions between OLIG proteins and Nkx-2.2 appear to promote the formation of alternate cell types by inhibiting V3 interneuron development. OLIG1 and OLIG2 are abundantly expressed in oligodendroglioma and nearly absent in astrocytomas.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 32 kDa

Swiss-Prot:

Q13516

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 101% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

p-OLIG2 (S147) polyclonal antibody detects endogenous levels of OLIG2 protein only when phosphorylated at Ser147.

DATA:



Western blot (WB) analysis of p-olig2(S147) polyclonal antibody at 1:500 dilution

Lane1:HepG2 cell lysate treated with EGF

Lane2:Raw264.7 cell lysate treated with EGF

Lane3:sp20 cell lysate treated with EGF

Note:

For research use only, not for use in diagnostic procedure.

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