

Code No. 18997

**Anti-Mouse
Fezf2/Fez1 (F441) Rabbit IgG Affinity Purify**

Volume : 100 µg

Lot No. :

Introduction : The mammalian cerebral neocortex occupies the largest area of the cerebral cortex and is cytoarchitecturally composed of six layers (I-VI). Inoue et al identified a zinc-finger type transcription factor, Fezf2/Fez1, which is expressed predominantly in the mouse adult neocortex. No other genes in the neocortex have been shown to date to have their expression with such high specificity.

Immunohistochemistry also shows that Fezf2/Fez1 is expressed in deep layers of the neocortex.

Antigen : Synthetic peptide of the C terminal part of Mouse Fezf2/Fez1 (TATPSAKDLARTVQS)

Purification : Purified with antigen peptide

Form : Lyophilized product from in PBS containing 1 % BSA and 0.05 % NaN₃

How to use : 1.0 mL deionized water will be added to the product (the conc. comes up 100 µg /mL)

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : Western blotting, Immunohistochemistry
(For more detail, refer to the publication mentioned below)

Specificity : Reacts with mouse Fezf2/Fez1.
Does not cross-react with Fezf1/Fez2.

Reference : 1. Inoue K, Terashima T, Nishikawa T, Takumi T. Fez1 is layer-specifically expressed in the adult mouse neocortex. *Eur J Neurosci.* 2004 Dec;20(11):2909-16.
2. Watanabe Y, Inoue K, Okuyama-Yamamoto A, Nakai N, Nakatani J, Nibu K, Sato N, Iiboshi Y, Yusa K, Kondoh G, Takeda J, Terashima T, Takumi T. Fezf1 is required for penetration of the basal lamina by olfactory axons to promote olfactory development. *J Comp Neurol.* 2009 Aug 10;515(5):565-84.

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