神经营养因子受体相互作用因子 1 抗体

产品货号： mlR18525

英文名称： Nrif1

中文名称： 神经营养因子受体相互作用因子 1 抗体

别　　名： Neurotrophin receptor-interacting factor 1; receptor-interacting factor; Nrif1; Nrif; NRIF1_MOUSE; Zinc finger protein 110; Zfp110.

研究领域： 转录调节因子　锌指蛋白　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Mouse, Rat,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 94kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from mouse Nrif1:701-800/828

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： Zfp110 (zinc finger protein 110) contains 1 SCAN box domain. The SCAN domain has been shown to be able to mediate homo- and hetero-oligomerisation.

Function:

Transcription regulator involved in NGFR/p75(NTR)-mediated apoptosis. Essential component of the NGFR/p75(NTR) apoptotic pathway: upon ligand-binding and subsequent cleavage of NGFR/p75(NTR), binds to the intracellular domain (ICD) cleavage product of NGFR/p75(NTR), translocates to the nucleus and induces apoptosis, possibly by regulating expression of key regulators of apoptosis. Induces NGFR/p75(NTR)-mediated apoptosis in retina and sympathetic neurons. May also regulate expression of neuronal cholesterol biosynthesis genes. Probably acts as a transcription repressor: specifically binds to the 3'-end of zinc-finger coding genes and recruiting chromatin-modifying proteins such as SETDB1 and TRIM28/KAP1, leading to transcription repression.

Subunit:

Interacts with NGFR/p75(NTR). Interacts (via KRAB 1 domain) with TRAF6. Interacts (when ubiquitinated at Lys-15) with SQSTM1/p62.

Tissue Specificity:

Ubiquitously expressed at low level. Expressed at higher level in testis.

Post-translational modifications:

Ubiquitinated by TRAF6 at Lys-15 through 'Lys-63'-linked polyubiquitination. 'Lys-63'-linked polyubiquitination occurs in response to NGFR/p75(NTR) cleavage by gamma-secretase and promotes binding with the ICD cleavage product of NGFR/p75(NTR), followed by tranlocation into the nucleus and subsequent apoptosis.

Similarity:

Belongs to the krueppel C2H2-type zinc-finger protein family.

Contains 5 C2H2-type zinc fingers.

Contains 2 KRAB domains.

Contains 1 SCAN box domain.

SWISS:

Q923B3

Gene ID:

65020

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.