

Product: Anti-GFR α -2 (GDNFR β , RETL2, TmR2, NTN α)
Catalog #: 12-1135
Amount: 25 mg

CATEGORY:
DESCRIPTION:

Rabbit Polyclonal
Physiological responses to Neurturin (NTN) require the presence of a novel glycosylphosphatidylinositol linked protein NTN α , which is a cell surface receptor for NTN. The cDNAs encoding NTN α from human, rat, chicken and mouse have been cloned recently. NTN α was also termed GDNFR β , Ret Ligand 2 (RETL2) or TGF- β -related neurotrophic factor receptor 2 (TmR2) and nominated as GFR α -2 recently. GFR α -2 binds NTN specifically and mediates activation of the Ret protein tyrosine kinase (PTK). Thus, NTN, GFR α -2 and the Ret PTK form a complex to transduce NTN signal and to mediate NTN function.

FORM:
IMMUNOGEN:

Purified IgG in PBS containing 0.02% Sodium azide
A peptide corresponding to amino acids 377 to 391 of human GFR α -2. The amino acid sequence of immunogenic peptide is identical to those of mouse and rat.

APPLICATION:
REACTIVITY/SPECIES:
RECOMMENDED FOR

Immunoblotting (min. dilution 1:500)
Human, mouse and rat

POSITIVE CONTROL:
STORAGE:

HeLa whole cell lysate (52 kDa band should be detected)
2-8°C for immediate use, or at -20°C (aliquot)

12-1135P Blocking peptide available

REFERENCES:

Klein, RD. et al. (1997) Nature **387**: 717-721
Sanicola, M. et al. (1997) Proc Natl Acad Sci USA **94**: 6238-6243
Buj-Bello, A. et al. (1997) Nature **387**:721-724
Suvanto, P. et al. (1997) Hum Mol Genet **6**: 1267-1273
Baloh, RH. et al. (1997) Neuron **18**: 793-802
Wang, CY. et al. (1998) Neuroscience **83**(1) March: 7-14

This product is sold for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. The information presented is believed to be accurate; however, said information and products are offered without warranty or guarantee since the ultimate conditions of use and the variability of the materials treated are beyond our control. Nothing disclosed herein is to be construed as a recommendation to use our products in violation of any patents. Under no circumstances shall ARP American Research Products, Inc. be liable for damages, whether consequential, compensatory, incidental or special, strict liability or negligence, breach of warranty or any other theory arising out of the use of the products available from ARP American Research Products, Inc. Nothing contained herein warrants that the use of the products will not infringe on the claims of any patents covering the product itself or the use thereof in combination with other products or in the operation of any process.