



Rabbit polyclonal antibody to human MANF

Catalogue #	310-100
Immunogen:	Human MANF
Immunogen Description:	Recombinant human MANF protein produced using CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line. Immunogen is purified from cell culture supernatant
Alternative Names:	ARMET, ARP
Uniprot ID:	P55145
Clonality:	Polyclonal
Class:	IgG
Reactivity:	Human MANF
Application:	ELISA, WB, IF, IHC
Protocol:	No cross-reactivity in MANF-knockout mouse. No cross-reactivity with CDNF in IHC, slightly cross-reacts with purified CDNF in WB. Polyclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	0,1-0,2 µg/ml
IF:	1-20 µg/ml
IHC:	10 µg/ml
Purification:	MANF-affinity purified
Buffer:	Concentrated ammonium sulphate in PBS pH 7.4.
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at +4°C upon receipt. As product is (NH ₄) ₂ SO ₄ precipitate, mix well by pipetting or vortexing prior use

Background:

MANF is a trophic factor for midbrain dopamine neurons in vivo. It prevents the 6-OHDA-induced degeneration of dopamine neurons in rodent models of Parkinson's disease (Lindholm et al., 2008, Voutilainen et al., 2009). When administered after 6-OHDA-lesioning it restores the dopaminergic function and prevents degeneration of dopamine neurons in substantia nigra pars compacta

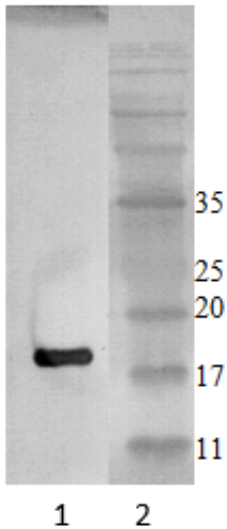


Figure 1. Western Blot testing of anti-MANF polyclonal antibody. Line 1. PageRuler Prestained Protein Ladder (#SM0671 Fermentas); Line 2. Purified recombinant MANF (1 μ g per line) expressed using CHOEBNALT85 cell line.

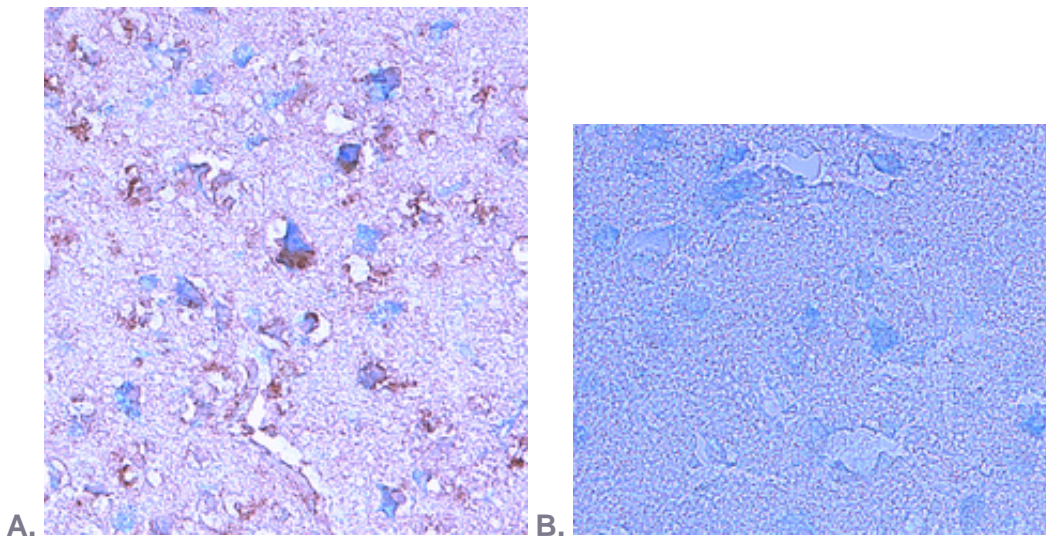


Figure 2. Immunohistochemical analysis of rabbit polyclonal antibody to human MANF. Analysis was performed using 4-5 μ m FFPE human cerebral cortex tissue sections from Alzheimer's disease patients. Antibody concentration of 10 μ g/ml was used. A. MANF staining by polyclonal antibody. B. negative staining.

A. B.

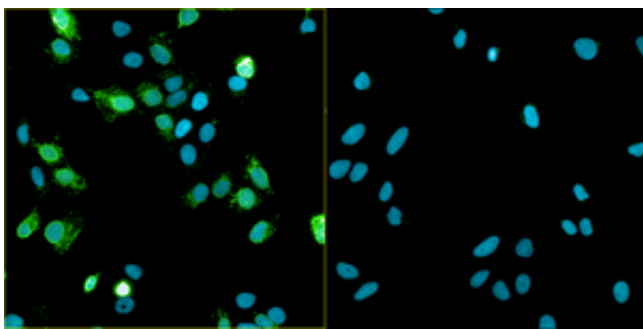


Figure 3. Immunofluorescence detection of human MANF expressed in human U2OS cells by rabbit polyclonal antibody to hMANF. Anti-hMANF antibody dilution in IF experiment was 1 $\mu\text{g/ml}$. A. MANF-expressing U2OS cells. B. negative control (non-transfected cells).