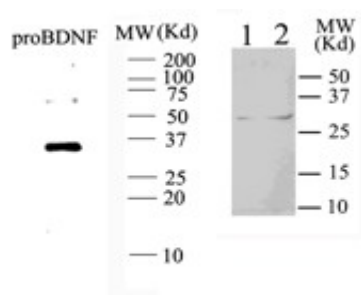


## Sheep antibody to human proBDNF: whole serum

<b>Catalogue No.:</b>	S-079-100
<b>Description:</b>	Brain derived neurotrophic factor (BDNF) is synthesized as a precursor (proBDNF) which may be released and have physiological functions to cause cell death. It binds neurotrophin receptor p75 and sortilin and may also be important for the development of nervous system. proBDNF is synthesized in neurons and glia (eg., microglia), transported anterogradely and retrogradely and may be released in an activity dependent manner. This antibody is raised in sheep to detect the prodomain of BDNF and not the mature peptide.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	The recombinant prodomain fragment of human brain-derived neurotrophic factor
<b>Other Names:</b>	Proform brain derived neurotrophic factor
<b>Accession:</b>	ProBDNF_HUMAN
<b>Produced in:</b>	Sheep
<b>Purity:</b>	Whole Serum
<b>Applications:</b>	ELISA, Western Blot, biological neutralization of proBDNF, Immunocytochemistry/Immunofluorescence. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Comments:</b>	Ready-to-use reagents for in-vitro laboratory research use only.
<b>Specificity:</b>	Confirmed to react with purified human proBDNF, crossreact with mouse and rat proBDNF
<b>Cross-reactivity:</b>	Cross reactivity with other species than human, mouse and rat has not yet been tested
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	<ol style="list-style-type: none"> <li>1. Fan, YJ. et al (2008) Eur J Neurosci 27(9):2380-90.</li> <li>2. Ulman, L. et al (2008) J Neurosci. Oct 29;28(44):11263-8.</li> </ol>



Western blot analysis of proBDNF on DRG homogenate. lane 1: brain; lane 2: DRG. The antibody recognises monomer and dimer of the recombinant proBDNF.

FOR RESEARCH USE ONLY