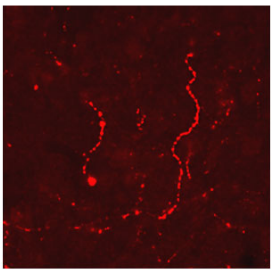
Rabbit polyclonal antibody to human beta Lipotropin (179 - 267)

Catalogue No.:	R-1493-50
Description:	Human beta-Lipotropin is a 93 amino acid polypeptide that is cleaved from carboxy-terminal fragment of the precursor pro-opiomelanocortin (POMC). It stimulates melanocytes to produce melanin, and can also be cleaved into smaller peptides including opioid peptides: gamma-lipotropin, alpha-MSH, beta-MSH, gamma-MSH, alpha-endorphin, beta-endorphin, gamma-endorphin and met-enkephalin
Batch No.:	See product label
Unit size:	50 ug
Antigen:	Synthetic peptide (179-267 aa) of human beta-Lipotropin conjugated to thyroglobulin was used as the immunogen.
Sequence:	179-267
Other Names:	Beta-LPH; Lipotropin beta; Pro-opiomelanocortin; POMC;
Accession:	P01189 COLI_HUMAN; P01190 COLI_BOVIN;
Produced in:	Rabbit
Applications:	A dilution of 5-10 ug/mL is recommended for immunohistochemistry using formalin fixed and paraffin embedded tissues and for 4% paraformaldehyde fixed frozen tissues. A dilution of 5-15 ug/mL is recommended for immunofluorescence. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Species Against:	Human
Antibody Against:	beta Lipotropin
Cross-reactivity:	Human; mouse; rat. Beta-Lipotropin is highly conserved so cross-reactivity with other species is expected. Cross-reactivity with other opioid peptides is as follows: with Leu-enkephalin 0.01%; with Met-Enkephalin 0.01%; with beta-endorphin 0.01%
Form:	Lyophilised with BSA
Appearance:	White powder
Reconstitution:	Reconstitute in 0.05 mL of PBS (pH 7.4). Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability and at 2-8C with an appropriate antibacterial agent. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

51 West Thebarton Road • Thebarton • South Australia 5031
Telephone + 61(0)8 8352 7711 • Email sales@biosensis.com • www.biosensis.com

Rabbit polyclonal antibody to human beta Lipotropin (179 - 267)



Immunohistochemical staining in rat ventral periaqueductal grey matter (PAG). 4% paraformaldehyde fixed rat brain crystostat sections (10 µm) were incubated overnight at 4°C with Rabbit polyclonal antibody to human beta Lipotropin (10 µg/ml) followed by incubation with donkey anti-rabbit Rhodamine Red conjugated secondary antibody (1:200).

51 West Thebarton Road • Thebarton • South Australia 5031
Telephone + 61(0)8 8352 7711 • Email sales@biosensis.com • www.biosensis.com