

Purified Rabbit Anti-human OB

Catalog Number: TP282

Lot Number: 121316

Content: Protein A purified rabbit IgG, 500 µg,
with 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 500 µl PBS)

Product Description and Usage: For research use only. This polyclonal antibody, which reacts with rat human OB, was generated using *E. coli*-expressed human OB as an immunogen. The tested titer for Western blot is 1:2,000.

Cross-reactivity to human OB of other species has not been determined.

Storage Condition: 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: Human OB, also named leptin, is a 16-kDa protein in human plasma. It is first identified by positional cloning ¹. It is important in the regulation of body weight. It can lead to weight loss, decreased food intake, reduction of body fat ².

Also OB plays important roles in reproduction, immunological response and neuro-endocrine signaling ³.

References:

1. Positional cloning of the mouse obese gene and its human homologue. *Nature* 1994, 372: 425-432
2. Weight-reducing effects of the plasma protein encoded by the obese gene. *Science* 1995, 269: 543-546
3. The biology of leptin: a review. *J Anim Sci* 1998, 76 (5): 1405-1420