

**Anti-Ghrelin (human, rat)
Mouse monoclonal antibody**

Subclass: IgG2b/k

CAT. NO.

ABS 052-121

Clone: 121

SPECIFICITY	ABS 052-121 binds human ghrelin.
IMMUNOGEN	Synthetic ghrelin (14-28)
TESTED APPLICATIONS	ELISA, WB
SPECIES REACTIVITY (POSITIVE)	Human, rat, mouse, dog, cat
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 µL and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: ABS 052-121 binds human ghrelin in solution.
ABS 052-121 (as biotinylated detection antibody) forms an antibody pair with ABS 050-45 (as capture antibody) for measuring human ghrelin in sandwich ELISA.
WB: ABS 052-121 can be used in Western blotting.

TARGET

Ghrelin is an orexigenic (food intake stimulating) 27 or 28 amino-acid gut-brain peptide hormone produced by endocrine cells in the stomach, pancreatic islets and certain hypothalamic neurons. Two forms are produced by alternative mRNA splicing; Gln13 or 14 is missing from the second form. "Active" ghrelin is acylated (octanoylated) at Ser3; this form stimulates growth hormone secretion via GHS receptors and increases appetite. The des-acyl form does not have these effects but may have other actions. Plasma responses of total ghrelin to food reflect those of active ghrelin.

REFERENCES**CONDITIONS**

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