

**Anti-Glucagon (human, pig, rat)
Mouse monoclonal antibody ABS**

Subclass: IgG1/k

Clone: 09

CAT. NO. **061-09**

SPECIFICITY	ABS 061-09 binds human glucagon. Cross-reacts less than 5% with oxyntomodulin.
IMMUNOGEN	Synthetic C-terminal fragment of glucagon coupled to carrier
TESTED APPLICATIONS	ELISA, IHC, IF
SPECIES REACTIVITY (POSITIVE)	Human, pig, rat
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPESPECIFICITY	The epitope lies within the C-terminal region of glucagon.

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 061-09 binds free glucagon in solution.
ABS 061-09 when used as capture antibody forms a sandwich ELISA pair with ABS 058-08 as biotinylated detection antibody for measuring glucagon.
IHC: ABS 061-09 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:8000.
IF: ABS 061-09 was used in IF with a dilution of 1:4000.

TARGET

Glucagon is a peptide hormone of 29 amino-acid residues produced by the alpha cells of the pancreatic islets. Its effect is to raise blood sugar as a stress hormone and counter-regulatory hormone for insulin. It is produced by cell-type-specific processing of proglucagon, which in the alpha cells is split to form glicentin-related pancreatic polypeptide, glucagon and major proglucagon fragment, while the same precursor is split to form glicentin, oxyntomodulin (C-terminally extended glucagon-37), GLP-1 and GLP-2 in the L cells of the intestinal mucosa.

REFERENCES

CONDITIONS

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