

## Anti-Glucagon (human, pig, rat)

CAT. NO. ABS 061-09

### OVERVIEW

<b>Product Name</b>	Anti-Glucagon (human, pig, rat)	<b>Conjugation</b>	Unconjugated
<b>Description</b>	Mouse monoclonal antibody	<b>Host</b>	Mouse
<b>Isotype</b>	IgG1/k	<b>Clone</b>	9
<b>Tested Applications</b>	ELISA, IHC, IF		

### SPECIFICITY

<b>Specificity</b>	ABS 061-09 binds human glucagon. Cross-reacts less than 5% with oxyntomodulin. The epitope lies within the C-terminal region of glucagon.		
<b>Immunogen</b>	Synthetic C-terminal fragment of glucagon coupled to carrier	<b>Gene ID</b>	2641, 24952, 397595
<b>Target</b>	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.		
<b>Species Reactivity POSITIVE</b>	Human, Rat, Pig	<b>Species Reactivity NEGATIVE</b>	Not determined

### PROPERTIES

<b>Form</b>	Liquid	<b>Unit Size</b>	0,4 mL and 1 mL
<b>Concentration</b>	1 mg/mL $\pm$ 15%, See CoA for lot details		
<b>Purification</b>	Protein A or Protein G purified	<b>Purification Notes</b>	BSA free
<b>Storage buffer</b>	0.01 M phosphate buffer, pH 7.4, with 0.5 M NaCl and 15 mM sodium azide		
<b>Storage condition</b>	2-8°C without exposure to light		
<b>Safety</b>	Wear protective clothing		

### TESTED APPLICATIONS

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

### SCIENTIFIC REFERENCES

N/A

#### CONDITIONS

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