

Anti-Glucagon (human, pig, rat)

CAT. NO. ABS 061-09

OVERVIEW

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

SPECIFICITY

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

PROPERTIES

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

TESTED APPLICATIONS

ELISA	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.
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.

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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