

Anti-Peptide YY (human, PYY)

CAT. NO. ABS 029-01

OVERVIEW

Product Name	Anti-Peptide YY (human, PYY)	Conjugation	Unconjugated
Description	Mouse monoclonal antibody	Host	Mouse
Isotype	IgG1/k	Clone	1
Tested Applications	ELISA, IHC		

SPECIFICITY

Specificity	ABS 029-01 binds human PYY. Cross-reactivity with NPY or PP in solution is <0.1%.		
Immunogen	Synthetic human PYY	Gene ID	5697
Target	Peptide tyrosine-tyrosine (PYY) amide is a 36 amino acid. PYY is a member of the pancreatic polypeptide (PP) family of peptides (neuropeptide Y (NPY), PYY and PP). While NPY is localized in neurons (both in the central and peripheral nervous system) and PP in the pancreatic islets, PYY is found in both neurons and the gut. PYY is released in response to food intake from the same endocrine cells (L cells) in the intestinal mucosa as the glucagon-like peptides and inhibits gall bladder secretion, gut motility, and pancreatic secretion. These effects are similar to those of PP and overlap with the gut inhibitory activity of GLP-1.		
Species Reactivity POSITIVE	Human	Species Reactivity NEGATIVE	Not determined

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 029-01 binds free PYY in solution. ABS 029-01 reacts in ELISA with PYY coated directly onto the microtiter well. Biotinylated ABS 029-01 can be used as a detection antibody with ABS 051-04 as a capture antibody for measuring PYY(3-36) by sandwich ELISA.
IHC	ABS 029-01 can be used in IHC. Please consult www.proteinatlas.org

SCIENTIFIC REFERENCES

N/A

CONDITIONS

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