

# Carboxypeptidase Y Monoclonal Antibody (10A5B5)

## Product Details

Size	250 µg
Species Reactivity	Yeast
Published Species	Yeast
Host/Isotype	Mouse / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	10A5B5
Conjugate	Unconjugated
Immunogen	Purified yeast CPY (carboxypeptidase)
Form	Liquid
Concentration	1 mg/mL
Purification	Ig fraction
Storage buffer	HEPES buffered saline
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2536203

Applications	Tested Dilution	Publications
Western Blot (WB)	0.25 µg/mL	39 Publications
Immunocytochemistry (ICC/IF)	20 µg/mL	2 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	-	8 Publications
Dot blot (DB)	-	2 Publications
Miscellaneous PubMed (Misc)	-	5 Publications

## Product Specific Information

Antibody binding specificity was determined by Particle Concentration Fluorescence Immunoassay (PCFIA) using the yeast carboxypeptidase, by Western blot immunoassay using protein extracts from yeast, and by indirect immunofluorescence of fixed yeast cells. The antibody can be used to detect the yeast carboxypeptidase on Western blots or to immunolocalize the carboxypeptidase in fixed yeast cells. The antibody is ideal for screening for carboxypeptidase secretion (Vps-phenotype) in yeast using the colony immunoblot overlay assay. The antibody has been extensively used in screens for new vps mutations, as well as in complementation analysis with the vps mutant collection.

Western Blot (39)

<p>Nature communications</p> <p><b>Genipin prevents alpha-synuclein aggregation and toxicity by affecting endocytosis, metabolism and lipid storage.</b></p> <p>"Published figure using Carboxypeptidase Y monoclonal antibody (Product # A-6428) in Western Blot"</p> <p>Authors: Rosado-Ramos R,Poças GM,Marques D,Foito A,M Sevillano D,Lopes-da-Silva M,Gonçalves LG,Menezes R, Ottens M,Stewart D,Ibáñez de Opakua A,Zweckstetter M,Seabra MC,Mendes CS,Outeiro TF,Domingos PM,Santos CN</p>	<p>Year 2023</p>
<p>iScience</p> <p><b>Fumarase affects the deoxyribonucleic acid damage response by protecting the mitochondrial desulfurase Nfs1p from modification and inactivation.</b></p> <p>"Published figure using Carboxypeptidase Y monoclonal antibody (Product # A-6428) in Western Blot"</p> <p>Authors: Yip J,Wang S,Tan J,Lim TK,Lin Q,Yu Z,Karmon O,Pines O,Lehming N</p>	<p>Year 2021</p> <p>Species Yeast</p>

View more WB references on thermofisher.com

Immunocytochemistry (2)

<p>Molecular biology of the cell</p> <p><b>Luv1p/Rki1p/Tcs3p/Vps54p, a yeast protein that localizes to the late Golgi and early endosome, is required for normal vacuolar morphology.</b></p> <p>"A-6428 was used in immunocytochemistry to characterize LUV1/RKI1/TCS3/VPS54"</p> <p>Authors: Conboy MJ,Cyert MS</p>	<p>Year 2000</p>
<p>Genetics</p> <p><b>Vacuole partitioning during meiotic division in yeast.</b></p> <p>"A-6428 was used in immunocytochemistry to study partitioning of the yeast vacuole during meiotic division"</p> <p>Authors: Roeder AD,Shaw JM</p>	<p>Year 1996</p> <p>Dilution 20 µg/ml</p>

More applications with references on thermofisher.com

- ELISA (1)
- IP (8)
- DB (2)
- Misc (5)

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