



Anti-Pichia Yeast Host Cell Protein G2 Antibody

1. Product Information

Product Name	Catalog#	Size
Anti-Pichia Yeast Host Cell Protein G2 Antibody	PH-E0021-1-Ab	100µg

2. Product Description

Type	Rabbit polyclonal antibody IgG
Reactive Species	Pichia Yeast
Purity	≥95%
Physical Property	Liquid
Components	0.01M PBS+50% glycerol, 0.03% Prolin300, sterile solution
Storage	-20°C, Aliquoting is recommended for storage.
Applications	ELISA, WB, Low-adsorption, High-throughput Protein Chip System, LC-MS
Coverage	≥70% (validated by 2D-WB method)
Shelf Life	5 Years

3. Storage and Transportation

Transport at 2-8°C, store at -20°C from the date of receipt.

4. Notes

This product is for research use only. Please wear laboratory attire and disposable gloves when handling.

5. Product Introduction

Pichia Yeast cell lines, as a commonly used expression system, undergoes apoptosis during the expression of target proteins. Studies have shown that after cell disruption, host proteins released into the culture medium can amount to more than a thousand different types, many of which have strong immunogenicity. This can lead to adverse toxicity or immune reactions, jeopardizing the safety and quality of the product and potentially causing biological contamination. One of the objectives of downstream processes in biopharmaceutical production is to remove these potential hazards.

Therefore, it is essential to minimize the residual amount of host cell protein to the lowest levels. When developing downstream purification processes, a scientifically sound and rational method for qualitatively assessing HCP in the final or semi-product must be in place.

This antibody has been validated by ELISA and 2D-WB methods, demonstrating high affinity for HCP, broad HCP coverage, and Pichia Yeast cell specificity. It can be used for bridging experiments or quality control testing during production.