

Polyclonal Antibody to *Pichia pastoris* - Purified

Catalog No.:	BP2240
Quantity:	1 ml
Concentration:	4-5 mg/ml (OD280 nm, E0.1% = 1.4)
Background:	<p><i>Pichia pastoris</i>, a methylotrophic yeast, has been used as a heterologous protein expression system. It combines many of the benefits of <i>E. coli</i> expression with the advantages of expression in an eukaryotic system such as protein processing, folding, and posttranslational modifications.</p> <p><i>Pichia pastoris</i> is capable of metabolising methanol as the sole carbon source. The first step in the metabolism of methanol is the oxidation of methanol to formaldehyde by the enzyme, alcohol oxidase. Expression of this enzyme, coded for by the AOX1 gene, is tightly regulated and induced by methanol to very high levels:- typically > 30% of the total soluble protein in the cells.</p>
Host:	Rabbit
Immunogen:	Whole intact cells of <i>P. pastoris</i> .
Format:	State: Liquid purified Ig fraction (> 95% pure) Purification: Protein A Chromatography Buffer System: 0.01M PBS, pH 7.2 Preservatives: 0.09% Sodium Azide Stabilizers: None
Applications:	Western blot: > 1/100. Immunofluorescence assay: 1/800. This product may also be used in place of neat antiserum in almost any appropriate antibody-based technique. Also suitable for conjugation purposes. Antibody is useful for detection/removal of contaminants from recombinant preps. Suitability for use in ELISA and Immunohistochemistry has not been determined but use in such assays should not necessarily be excluded. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with all antigens. Cross-reactive with <i>Candida albicans</i> (strong) and <i>S. cerevisiae</i> (weak).
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.