

## Product datasheet

# Anti-P.pastoris antibody ab53737

### Overview

<b>Product name</b>	Anti-P.pastoris antibody
<b>Description</b>	Rabbit polyclonal to P.pastoris
<b>Host species</b>	Rabbit
<b>Specificity</b>	Reacts with all antigens.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, IHC-Fr, ICC/IF
<b>Species reactivity</b>	Reacts with Yeast ( <i>Pichia pastoris</i> )
<b>Immunogen</b>	Native, whole cells ( <i>P. pastoris</i> )

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.2
<b>Purification notes</b>	ab53737 purity is >95%
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab53737** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
ELISA		
IHC-Fr		

Application	Abreviews	Notes
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ICC/IF

#### Application notes

ELISA: Use at an assay dependent dilution.  
 ICC/IF: Use at an assay dependent dilution.  
 IHC-Fr: Use at an assay dependent dilution.  
 WB: 1/50 - 1/200.

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

#### Target

#### Relevance

*Pichia pastoris*, a methylotrophic yeast, has been used as a heterologous protein expression system. It combines many of the benefits of *E. coli* expression with the advantages of expression in an eukaryotic system such as protein processing, folding, and posttranslational modifications. *Pichia pastoris* 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.

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