# abcam

### Product datasheet

## Anti-beta Galactosidase antibody [13R4] ab206546

Recombinant

#### 1 Image

Overview		
Product name	Anti-beta Galactosidase antibody [13R4]	
Description	Human monoclonal [13R4] to beta Galactosidase	
Host species	Human	
Tested applications	Suitable for: WB, Flow Cyt	
Species reactivity	Reacts with: Escherichia coli	
Immunogen	Recombinant full length protein corresponding to Escherichia coli beta Galactosidase aa 1 to the C-terminus. Database link: <u>P00722</u>	

Properties				
Form	Liquid			
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.			
Storage buffer	Preservative: 0.02% Proclin 300 Constituent: 99% PBS			
Purity	Protein A purified			
Clonality	Monoclonal			
Clone number	13R4			
lsotype	lgG4			
Light chain type	lambda			

#### Applications

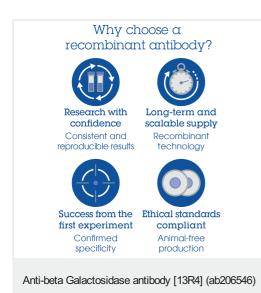
 The Abpromise guarantee
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 covers the use of ab206546 in the following tested applications.

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

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 76 kDa.
Flow Cyt		Use at an assay dependent concentration.

Target	
Relevance	Beta galactosidase is coded by a gene (lac z) in the lac operon of Escherichia coli. It is a metalloenzyme that splits lactose into glucose and galactose. It hydrolyzes terminal, non-reducing beta-D-galactose residues in beta-D-galactosides. Activation by cations seems to be substrate dependent. K+, Na+, NH4+, Rb+, Cs+ and Mn++ all activate enzyme activity based upon the substrate used.
Cellular localization	Cytoplasmic

#### Images



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