




Product datasheet

Anti-CD19 (phospho Y531) antibody ab203615

★★★★★ [1 Abreviews](#) [11 References](#) [4 Images](#)

Overview

Product name	Anti-CD19 (phospho Y531) antibody
Description	Rabbit polyclonal to CD19 (phospho Y531)
Host species	Rabbit
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human CD19 aa 500 to the C-terminus (phospho Y531) conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P15391 <div>  Run BLAST with  Run BLAST with </div>
Positive control	Human esophageal cancer tissue; Mouse fetal liver and spleen tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X
Purity	Protein A purified

Clonality	Polyclonal
Isotype	IgG

Applications

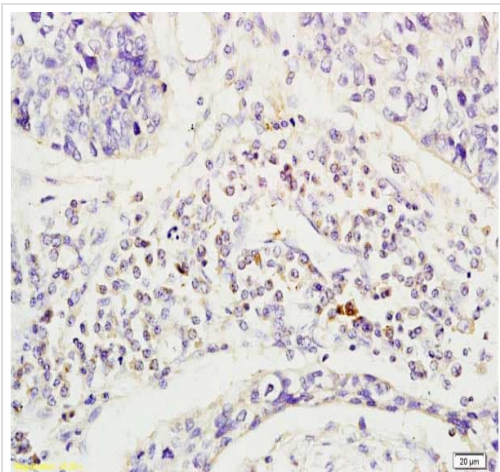
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab203615 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★ (1)	1/100 - 1/500.

Target

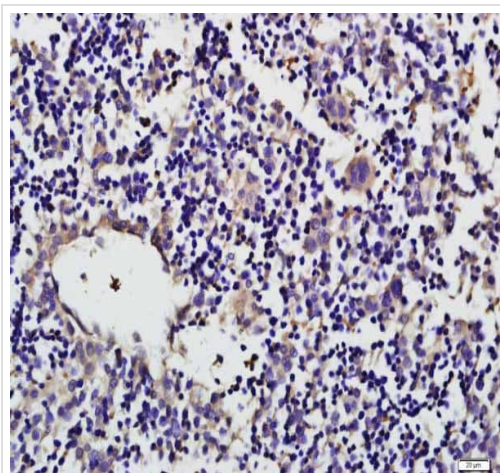
Function	Assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.
Involvement in disease	Defects in CD19 are the cause of immunodeficiency common variable type 3 (CVID3) [MIM:613493]; also called antibody deficiency due to CD19 defect. CVID3 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.
Sequence similarities	Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Post-translational modifications	Phosphorylated on serine and threonine upon DNA damage, probably by ATM or ATR. Phosphorylated on tyrosine following B-cell activation.
Cellular localization	Membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD19 (phospho Y531) antibody (ab203615)

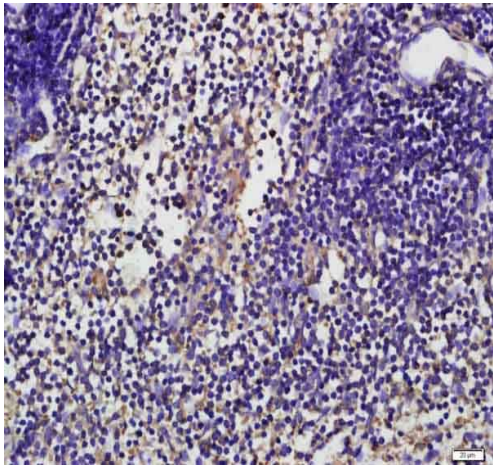
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human esophageal cancer tissue labeling CD19 (phospho Y531) with ab203615 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD19 (phospho Y531) antibody (ab203615)

Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded mouse fetal liver tissue labeling CD19 (phospho Y531) with ab203615 at 1/500 dilution, followed by conjugation to the secondary antibody and DAB staining.

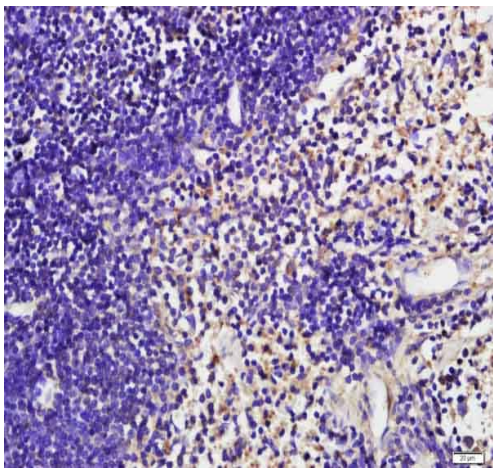
Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD19 (phospho Y531) antibody (ab203615)

Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded mouse spleen tissue labeling CD19 (phospho Y531) with ab203615 at 1/500 dilution, followed by conjugation to the secondary antibody and DAB staining.

Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD19 (phospho Y531) antibody (ab203615)

Immunohistochemical analysis of paraformaldehyde-fixed, paraffin-embedded mouse spleen tissue labeling CD19 (phospho Y531) with ab203615 at 1/500 dilution, followed by conjugation to the secondary antibody and DAB staining.

Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (normal goat serum) at 37°C for 20min.

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