

Anti-BCR-ABL [7c6] Standard Size Ab00817-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio (www.ximbio.com).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 7c6

Alternative Name(s) of Target: BCR/ABL; Breakpoint cluster region protein-tyrosine protein kinase ABL1 fusion protein

UniProt Accession Number of Target Protein:

Published Application(s): IP, WB, IF, IHC

Published Species Reactivity: Human

Immunogen: Murine antibodies were produced by immunising BALB/c mice with residues 686-696 (SSINEEITPRRQS) of human BCR fused to thyroglobulin. Hybridomas were generated by fusion of immunised cells with the myeloma cell line P3X63Ag8 via established methods.

Specificity: This antibody is specific for the SSINEEITPRRQS epitope of BCR (residues 686-696), and as such is able to recognise full-length BCR and the p210 form of the BCR-ABL fusion protein. p210 BCR-ABL is a cytogenetic marker of chronic myelogenous leukaemia, resulting from gross chromosomal translocation resulting in the 'Philadelphia chromosome'. The fusion protein is a constitutively active tyrosine kinase, causing deregulated downstream signalling and increasing likelihood of oncogenic transformation.

Application Notes: It has been shown by Western blot that 7c6 binds wildtype, full-length BCR and the p210 BCR-ABL fusion protein.

Antibody First Published in: Dhut et al. Identification of two normal bcr gene products in the cytoplasm. *Oncogene*. 1988 Nov;3(5):561-6 [PMID:3078961](https://pubmed.ncbi.nlm.nih.gov/3078961/)

Note on publication: Describes the production of 7c6 using a synthetic BCR peptide (corresponding to residues 686-696) and the subsequent use of the antibody in detecting normal BCR and various BCR-ABL fusion gene products.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.