

Anti-BCR-ABL [7c6] Bulk Size Ab00817-2.3-BT

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).

Isotype and Format: Mouse IgG2a, 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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.