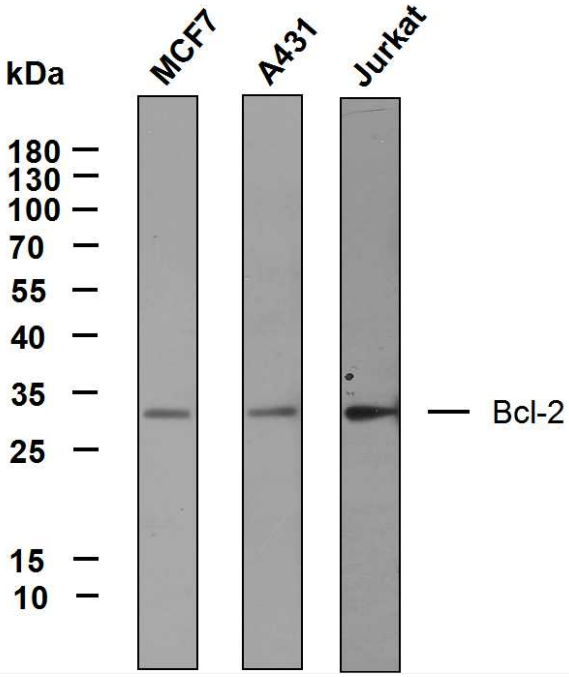
Bcl-2 Monoclonal Antibody(6B5)

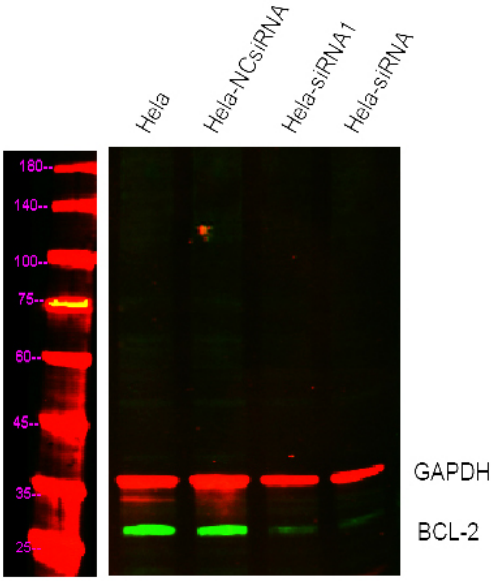
Catalog No	BYab-00112
Isotype	IgG
Reactivity	Human;Mouse;Rat;chicken
Applications	IF;WB;IHC
Gene Name	BCL2
Protein Name	Apoptosis regulator Bcl-2
Immunogen	Synthetic Peptide of Bcl-2
Specificity	The antibody detects endogenous Bcl-2 proteins.
Formulation	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IF: 1:50-200 WB: 1:1000~2000 IHC: 1:200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	BCL2; Apoptosis regulator Bcl-2
Observed Band	26kD
Cell Pathway	Mitochondrion outer membrane ; Single-pass membrane protein . Nucleus membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein . Cytoplasm .
Tissue Specificity	Expressed in a variety of tissues.
Function	disease:A chromosomal aberration involving BCL2 may be a cause of follicular lymphoma (FL) [MIM:151430]; also known as type II chronic lymphatic leukemia. Translocation t(14;18)(q32;q21) with immunoglobulin gene regions. BCL2 mutations found in non-Hodgkin lymphomas carrying the chromosomal translocation could be attributed to the Ig somatic hypermutation mechanism resulting in nucleotide transitions.,domain:The BH4 motif is required for anti-apoptotic activity and for interaction with RAF-1.,function:Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop

	system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activati
Background	BCL2, apoptosis regulator(BCL2) Homo sapiens This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

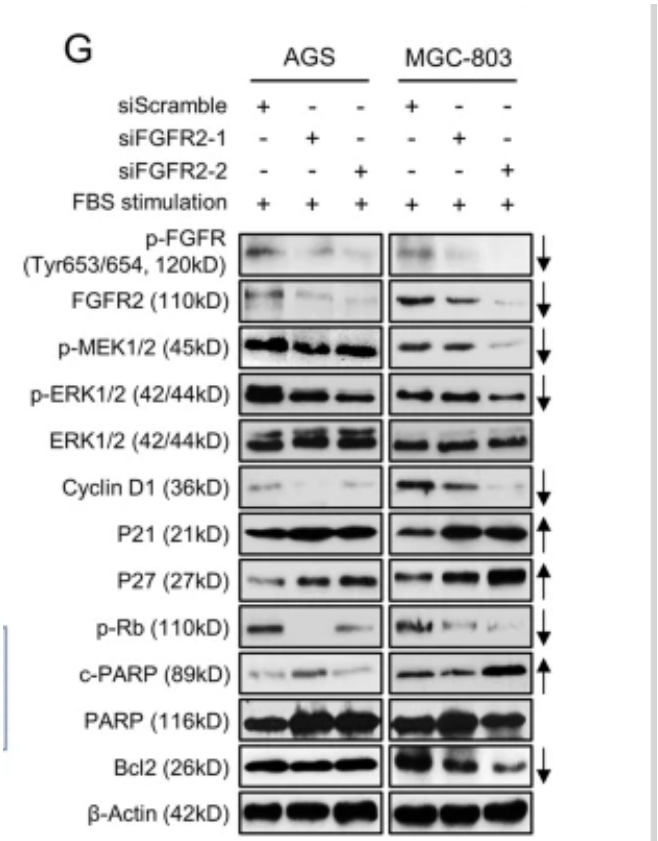
Products Images



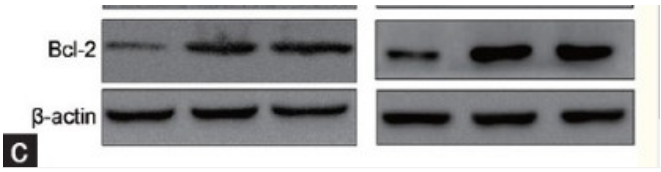
Various whole cell lysates (30ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Bcl-2 antibody at 1ug/ml. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody. Predicted band size: 26kDa



Western blot analysis of lysates from 1)Hela cell , 2)Hela cells knockdown by siRNA1 (F:GGAUGACUGAGUACCUGAATT,R:UUCAGGUACUCAGUCAUCCTT) siRNA2(F:GUGAUGAAGUACAUCCAUUAU,R:AUAAUGGAUGUACUUCAUCAC), (Green) primary antibody was diluted at 1:1000, 4°over night, Dylight 800 secondary antibody(Immunoway:RS23910)was diluted at 1:10000, 37° 1hour. (Red) GAPDH rabbit (Immunoway:YN5585) antibody was diluted at 1:5000 as loading control, 4° over night, Dylight 680 secondary antibody(Immunoway:RS23720)was diluted at 1:10000, 37° 1hour.



Zhang, J., Wong, C.C., Leung, K.T. et al. FGF18–FGFR2 signaling triggers the activation of c-Jun–YAP1 axis to promote carcinogenesis in a subgroup of gastric cancer patients and indicates translational potential. Oncogene 39, 6647–6663 (2020).



Wen, Yao-An, et al. "Phosphoglycerate mutase 1 knockdown inhibits prostate cancer cell growth, migration, and invasion." Asian journal of andrology 20.2 (2018): 178.

Tao, Yuquan, et al. "Huaier Augmented the Chemotherapeutic Sensitivity of Oxaliplatin via Downregulation of YAP in Hepatocellular Carcinoma." Journal of Cancer 9.21 (2018): 3962.