

Product datasheet for **CF806589**

BCL2 Mouse Monoclonal Antibody [Clone ID: OTI10C7]

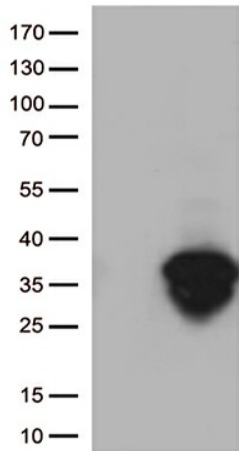
Product data:

| | |
|-------------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI10C7 |
| Applications: | IHC, WB |
| Recommended Dilution: | IHC 1:150 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Full length human recombinant protein of human BCL2 (NP_000624) produced in HEK293T cell. |
| Formulation: | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose) |
| Reconstitution Method: | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification: | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G) |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | Homo sapiens BCL2 apoptosis regulator (BCL2), transcript variant alpha, mRNA. |
| Database Link: | NP_000624 Entrez Gene 12043 MouseEntrez Gene 24224 RatEntrez Gene 596 Human |
| Synonyms: | Bcl-2; PPP1R50 |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane |
| Protein Pathways: | Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Focal adhesion, Neurotrophin signaling pathway, Pathways in cancer, Prostate cancer, Small cell lung cancer |

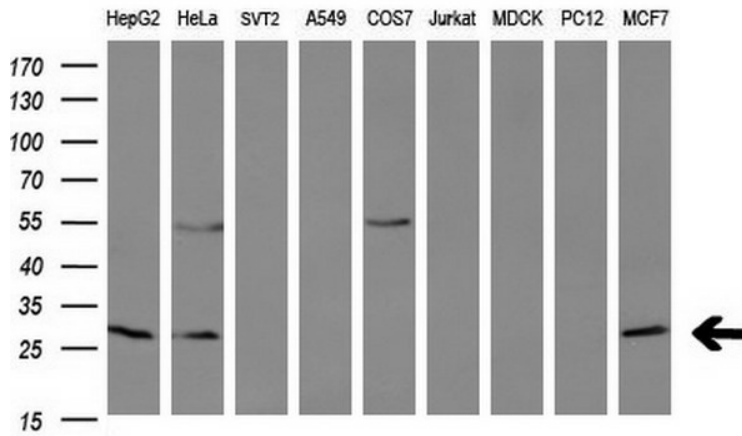


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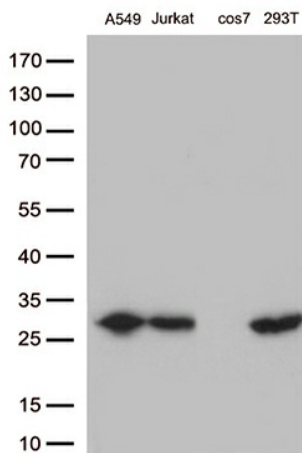
Product images:



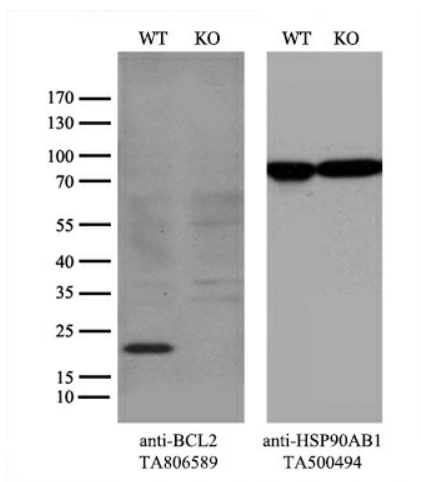
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BCL2 ([RC204498], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BCL2 (1:500).



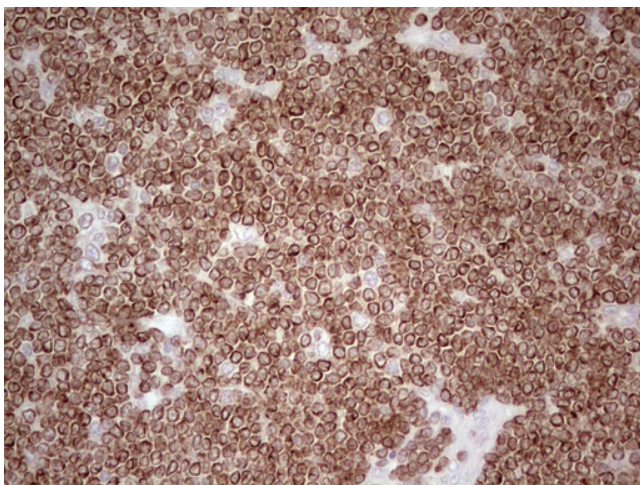
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-BCL2 monoclonal antibody at 1:200 (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



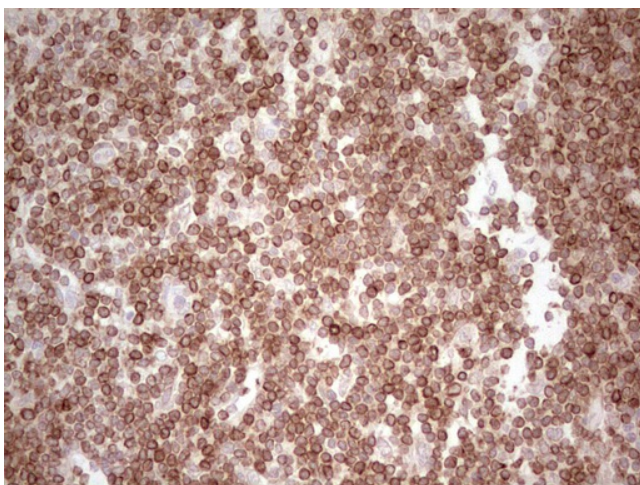
Western blot analysis of extracts (35ug) from 4 cell lines lysates by using anti-BCL2 monoclonal antibody (1:500).



Equivalent amounts of cell lysates (10 ug per lane) of wild-type HeLa cells (WT, Cat# LC810HELA) and BCL2-Knockout HeLa cells (KO, Cat# [LC811172]) were separated by SDS-PAGE and immunoblotted with anti-BCL2 monoclonal antibody [TA806589], (1:500). Then the blotted membrane was stripped and reprobed with anti-HSP90AB1 antibody ([TA500494]) as a loading control.



Immunohistochemical staining of paraffin-embedded Human lymphoma tissue using anti-BCL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806589])



Immunohistochemical staining of paraffin-embedded Human tonsil within the normal limits using anti-BCL2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, [TA806589])