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DATA SHEET

Rabbit Anti-Bcl-2 L10 Polyclonal: RC0035

Intended Use: For Research Use Only

Description: The protein encoded by this gene belongs to the Bcl-2 protein family. Bcl-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The protein encoded by this gene contains conserved BH4, BH1 and BH2 domains. This protein can interact with other members of Bcl-2 protein family including Bcl-2, Bcl-2L1/Bcl-X(L), and BAX. Overexpression of this gene has been shown to suppress cell apoptosis possibly through the prevention of cytochrome C release from the mitochondria, and thus activating caspase-3 activation. The mouse counterpart of this protein is found to interact with Apaf1 and forms a protein complex with Caspase 9, which suggests the involvement of this protein in APAF1 and CASPASE 9 related apoptotic pathway.

Specifications

Clone:	Polyclonal
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant human Bcl-2-like protein 10 protein aa 19-127
Localization:	Mitochondrion, nucleus membrane
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, IF

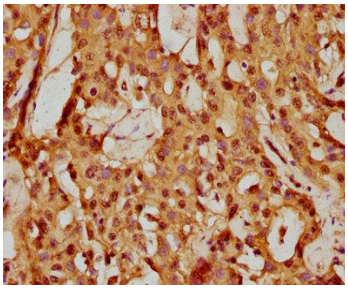
Package:

Description	Catalog No.	Size
Bcl-2 L10 Polyclonal Concentrated	RC0035	1 ml

IHC Procedure*

Positive Control Tissue:	Kidney, liver
Concentrated Dilution:	10-50
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	Overnight @ 4°C
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human liver stained with anti-Bcl-2 L10 using DAB

References:

1. BCL2L10/BECN1 modulates hepatoma cells autophagy by regulating PI3K/AKT signaling pathway. He J, et al. Aging (Albany NY) 11:350-370, 2019.
2. Effects of annexin A7 inhibitor-ABO on the expression and distribution of long noncoding RNA-CERNA1 in vascular endothelial cells apoptosis. Lu W, et al. Apoptosis N/A:N/A, 2019.
3. BCL2L10 positive cells in bone marrow are an independent prognostic factor of azacitidine outcome in myelodysplastic syndrome and acute myeloid leukemia. Valérie Vidal, et al. Oncotarget. Jul 18;8(29):47103-47109, 2017.

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