

Mcl-1 Rabbit Monoclonal Antibody

Catalog #: EAB21427

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Monoclonal	WB, IP, IHC, IF/ICC, FC	37	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IP (Immunoprecipitation)	1:10-100
IHC (Immunohistochemistry)	1:20-200
IF/ICC (Immunofluorescence/Immunocytochemistry)	1:20-200
FC (Flow Cytometry)	1:10-100

Product Information

Conjugate	Unconjugate
Specificity	Mcl-1 Rabbit Monoclonal Antibody detects endogenous levels of Mcl-1 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks
UniProt ID	Q07820
Entrez-Gene Id	4170

Product Description

Mcl-1 (also designated MCL1 or Myeloid cell leukemia-1) is an anti-apoptotic protein, which is a member of the Bcl-2 family. B-cell CLL/lymphoma 2 (Bcl-2) blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal. Myeloid cell leukemia 1 (Mcl-1) shares sequence homology with Bcl-2 and further resembles Bcl-2 in that its expression promotes cell viability. p53 and Mcl-1 demonstrate opposing effects on mitochondrial apoptosis by mediating Bcl-2 antagonist killer (Bak) activity. Mcl-1 is an important and specific regulator that is necessary for the homeostasis of early hematopoietic progenitors. Glycogen synthase kinase 3 (GSK3) controls Mcl-1 stability, which has an effect on the regulation of apoptosis by growth factors, PI 3-kinase and AKT. Mice with a deficiency of the Mcl-1 protein show a significant reduction in B and T lymphocytes similar to the effects observed in IL-7- or IL-7R-deficient mice.

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