

Anti-Endoribonuclease Dicer DICER1 Antibody

Catalog Number: A00190-1

About DICER1

FLT3 encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

Sekine S et.al. (2008) J Immunol. ;180(12):8126-34

Pratz K et.al. (2008) Leuk Lymphoma. 2008 ;49(5):852-63.

Al Shaer L et.al. (2008) Br J Haematol. 141(4):483-93.

Overview

Product Name	Anti-Endoribonuclease Dicer DICER1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Endoribonuclease Dicer DICER1 Antibody catalog # A00190-1. Tested in WB applications. This antibody reacts with Human,Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UPY3

Technical Details

Immunogen	Synthesized peptide derived from human Flt-3 around the phosphorylation site of Y969.
Predicted Reactive Species	Canine, Monkey
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>WB: 1:500-1:1000</p>

Anti-Endoribonuclease Dicer DICER1 Antibody (A00190-1) Images

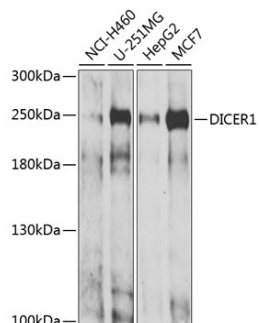


Figure 1. Western blotting validation for Anti-Endoribonuclease Dicer DICER1 Antibody A00190-1

Western blot analysis of extracts of various cells

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