

Anti-Thymopoietin TMPO Antibody

Catalog Number: A03278-1

About TMPO

Thymopoietin (TMPO), also known as LAP2, is a widely expressed lem-domain-containing nuclear protein that is thought to play an important role in the regulation of nuclear architecture by binding lamin B1 and chromosomes in a manner regulated by phosphorylation during mitosis. Thymopoietin associates with nucleoplasmic lamins A/C, which are encoded by the dilated cardiomyopathy (DCM) gene LMNA; mutations in Thymopoietin disrupt this binding, suggesting that Thymopoietin may be a candidate disease gene for DCM.

Overview

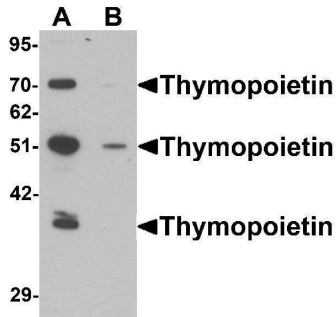
Product Name	Anti-Thymopoietin TMPO Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Thymopoietin TMPO Antibody (Catalog # A03278-1). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	Thymopoietin Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Thymopoietin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P42166

Technical Details

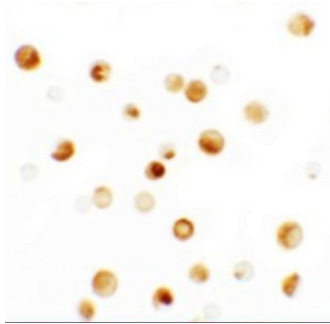
Immunogen	Thymopoietin antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human Thymopoietin. The immunogen is located within amino acids 80 - 130 of Thymopoietin.
Predicted Reactive Species	Rat
Cross Reactivity	At least three isoforms of Thymopoietin are known to exist; this antibody will detect all isoforms. Thymopoietin antibody is predicted to not cross-react with other LEM domain-containing proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	Thymopoietin Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Thymopoietin antibody can be used for detection of Thymopoietin by Western blot at 0.25 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 5 ug/mL.</p> <p>Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

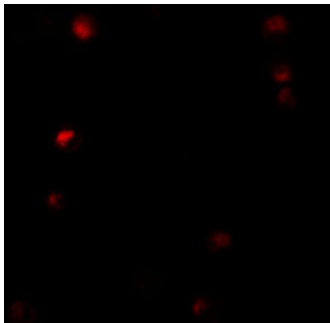
Anti-Thymopoietin TMPO Antibody (A03278-1) Images



Western blot analysis of Thymopoietin in HeLa cell lysate with Thymopoietin antibody at 0.25 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunocytochemistry of Thymopoietin in HeLa cells with Thymopoietin antibody at 2.5 ug/mL.



Immunofluorescence of Thymopoietin in HeLa cells with Thymopoietin antibody at 5 ug/mL.

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Anti-Thymopoietin TMPO Antibody

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