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anti-Thymopoietin antibody (N-Term)

2 Images



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Overview

Quantity:	0.1 mg
Target:	Thymopoietin (TMPO)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thymopoietin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	19 amino acid synthetic peptide near the amino terminus of Human Thymopoietin
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse.
Purification:	Affinity chromatography purified via peptide column
Target Details	
Target:	Thymopoietin (TMPO)
Abstract:	TMPO Products
Background:	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

Target Details

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.Synonyms: Lamina-associated polypeptide 2 isoform alpha, Thymopoietin isoform alpha, Thymopoietin-related peptide isoform alpha

Gene ID: 7112

NCBI Accession: NP_003267

Application Details

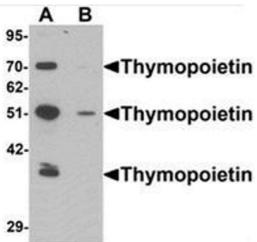
Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.





Immunofluorescence

Image 1. Immunocytochemistry of Thymopoietin in HeLa cells with Thymopoietin antibody at 2.5 ug/ml

Western Blotting

Image 2. 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.