



# Anti-PYHIN1 (aa 38-87) polyclonal antibody (CABT-BL5476)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit polyclonal antibody to Human PYHIN1.
<b>Antigen Description</b>	The protein encoded by this gene belongs to the HIN-200 family of interferon-inducible proteins that share a 200-amino acid signature motif at their C-termini. HIN200 proteins are primarily nuclear and are involved in transcriptional regulation of genes important for cell cycle control, differentiation, and apoptosis. Downregulation of this gene is associated with breast cancer. This protein acts as a tumor suppressor by promoting ubiquitination and subsequent degradation of MDM2, which leads to stabilization of p53/TP53. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the N terminal amino acids 38-87 (KMKEEYDKIQ IADLMEEKFP GDAGLGKLIIE FFKEIPTLGD LAETLKREKL) of Human PYHIN1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the HIN-200 family. Contains 1 DAPIN domain. Contains 1 HIN-200 domain.
<b>Cellular Localization</b>	Nucleus; nucleoplasm and Nucleus. Nucleus speckle.
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# BACKGROUND

## Introduction

The protein encoded by this gene belongs to the HIN-200 family of interferon-inducible proteins that share a 200-amino acid signature motif at their C-termini. HIN200 proteins are primarily nuclear and are involved in transcriptional regulation of genes important for cell cycle control, differentiation, and apoptosis. Downregulation of this gene is associated with breast cancer. This protein acts as a tumor suppressor by promoting ubiquitination and subsequent degradation of MDM2, which leads to stabilization of p53/TP53. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

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# GENE INFORMATION

Entrez Gene ID [149628](#)

Protein Refseq [NP\\_689714](#)

UniProt ID [Q6K0P9](#)

Chromosome Location 1q23.1

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