

Datasheet for ABIN7602574
anti-PYHIN1 antibody (AA 86-488)



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Overview

Quantity:	100 µg
Target:	PYHIN1
Binding Specificity:	AA 86-488
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PYHIN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-PYHIN1 Antibody Picoband®
Immunogen:	E.coli-derived human PYHIN1 recombinant protein (Position: K86-H488). Human PYHIN1 shares 45.6% amino acid (aa) sequence identity with mouse PYHIN1.
Characteristics:	Anti-PYHIN1 Antibody Picoband® (ABIN7602574). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PYHIN1
Alternative Name:	PYHIN1 (PYHIN1 Products)
Background:	<p>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.</p> <p>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.</p>
Molecular Weight:	55 kDa
Gene ID:	149628
UniProt:	Q6K0P9

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Ding, Y., Lee, J.-F., Lu, H., Lee, M.-H., Yan, D.-H. Interferon-inducible protein IFIX-α-1 functions as a negative regulator of HDM2. <i>Molec. Cell. Biol.</i> 26: 1979-1996, 2006. 2. Ding, Y., Wang, L., Su, L.-K., Frey, J. A., Shao, R., Hunt, K. K., Yan, D.-H. Antitumor activity of IFIX, a novel interferon-inducible HIN-200 gene, in breast cancer. <i>Oncogene</i> 23: 4556-4566, 2004. 3. Yamaguchi, H., Ding, Y., Lee, J.-F., Zhang, M., Pal, A., Bornmann, W., Yan, D.-H., Hung, M.-C. Interferon-inducible protein IFIX-α inhibits cell invasion by upregulating the metastasis suppressor maspin. <i>Molec. Carcinogen.</i> 47: 739-743, 2008.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL

Handling

Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.