

Datasheet for ABIN7599311
anti-PUM1 antibody (AA 1-361)



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Overview

Quantity:	100 µg
Target:	PUM1
Binding Specificity:	AA 1-361
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PUM1 Antibody Picoband®
Immunogen:	E.coli-derived human PUM1 recombinant protein (Position: M1-D361).
Characteristics:	Anti-PUM1 Antibody Picoband® (ABIN7599311). Tested in WB, 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:	PUM1
Alternative Name:	PUM1 (PUM1 Products)
Background:	Pumilio homolog 1 is a protein that in humans is encoded by the PUM1 gene. This gene encodes a member of the PUF family, evolutionarily conserved RNA-binding proteins related to the Pumilio proteins of Drosophila and the fem-3 mRNA binding factor proteins of C. elegans. The encoded protein contains a sequence-specific RNA binding domain comprised of eight repeats and N- and C-terminal flanking regions, and serves as a translational regulator of specific mRNAs by binding to their 3' untranslated regions. The evolutionarily conserved function of the encoded protein in invertebrates and lower vertebrates suggests that the human protein may be involved in translational regulation of embryogenesis, and cell development and differentiation. Alternatively spliced transcript variants encoding different isoforms have been described.
Molecular Weight:	140 kDa
Gene ID:	9698
UniProt:	Q14671

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Bonnemason-Carrere, P., Morice-Picard, F., Pennamen, P., Arveiler, B., Fergelot, P., Goizet, C., Hellegouarch, M., Lacombe, D., Plaisant, C., Raclet, V., Rooryck, C., Lasseaux, E., Trimouille, A. PADDAS syndrome associated with hair dysplasia caused by a de novo missense variant of PUM1. Am. J. Med. Genet. 179A: 1030-1033, 2019. 2. Gennarino, V. A., Palmer, E. E., McDonell, L. M., Wang, L., Adamski, C. J., Koire, A., See, L., Chen, C.-A., Schaaf, C. P., Rosenfeld, J. A., Panzer, J. A., Moog, U. A mild PUM1 mutation is associated with adult-onset ataxia, whereas haploinsufficiency causes developmental delay and seizures. Cell 172: 924-936, 2018. 3. Gennarino, V. A., Singh, R. K., White, J. J., De Maio, A., Han, K., Kim, J.-Y., Jafar-Nejad, P., di Ronza, A., Kang, H., Sayegh, L. S., Cooper, T. A., Orr, H. T., Sillitoe, R. V., Zoghbi, H. Y. Pumilio1 haploinsufficiency leads to SCA1-like neurodegeneration by increasing wild-type ataxin1 levels. Cell 160: 1087-1098, 2015.
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
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.