

Datasheet for ABIN7600552
anti-ENDOU antibody (AA 20-386)



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Overview

Quantity:	100 µg
Target:	ENDOU
Binding Specificity:	AA 20-386
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ENDOU antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-PP11/ENDOU Antibody Picoband®
Immunogen:	E.coli-derived human PP11/ENDOU recombinant protein (Position: K20-T386).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PP11/ENDOU Antibody Picoband® (ABIN7600552). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human. 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:	ENDOU
Alternative Name:	ENDOU (ENDOU Products)
Background:	<p>Synonyms: Mesoderm posterior protein 1, Class C basic helix-loop-helix protein 5, bHLHc5, MESP1, BHLHC5</p> <p>Tissue Specificity: Highly expressed in brain and weakly in heart, small intestine and uterus. Isoform 1A is mostly expressed in granular cell and molecular layer. Isoform 1B is mostly expressed in Purkinje cells. Isoform 1E is predominantly expressed in peripheral tissues as kidney, lung, trachea, colon, small intestine, stomach, bone marrow, thymus and mammary gland. .</p> <p>Background: Endonuclease, poly(U) specific is a protein that in humans is encoded by the ENDOU gene. This gene encodes a protein with endoribonuclease activity that binds polyuridine-enriched single-stranded RNA. This gene was initially characterized based on its high expression in placenta but was mischaracterized as a serine protease. In mouse, this gene promotes tolerance to self-antigens by regulating B cell activation-induced cell death (AICD). The protein may be useful as a tumor marker. Multiple alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene.</p>
Molecular Weight:	47 kDa
Gene ID:	8909
UniProt:	P21128

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human</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. Gross, M. B. Personal Communication. Baltimore, Md. 2/24/2014. 2. Grundmann, U., Romisch, J., Siebold, B., Bohn, H., Amann, E. Cloning and expression of a cDNA encoding human placental protein 11, a putative serine protease with diagnostic significance as a tumor marker. DNA Cell Biol. 9: 243-250, 1990. 3. Laneve, P., Gioia, U., Ragno, R., Altieri, F., Di Franco, C., Santini, T., Arceci, M., Bozzoni, I., Caffarelli, E. The tumor marker human placental protein 11 is an endoribonuclease. J. Biol. Chem. 283: 34712-34719, 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
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.