

Datasheet for ABIN7599127
anti-C21ORF45 antibody (AA 1-233)



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Overview

Quantity:	100 µg
Target:	C21ORF45 (MIS18A)
Binding Specificity:	AA 1-233
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C21ORF45 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-C21orf45/MIS18A Antibody Picoband®
Immunogen:	E.coli-derived human C21orf45/MIS18A recombinant protein (Position: M1-D233).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-C21orf45/MIS18A Antibody Picoband® (ABIN7599127). Tested in ELISA, IF, ICC, WB, Flow Cytometry 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:	C21ORF45 (MIS18A)
Alternative Name:	MIS18A (MIS18A Products)
Background:	<p>Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3</p> <p>Tissue Specificity: Brain. Expression restricted to astrocytes.</p> <p>Background: Protein Mis18-alpha is a protein that in humans is encoded by the MIS18A gene. C21orf45, also named as MIS18A, C21orf46 and FASP1, is required for recruitment of CENPA to centromeres and normal chromosome segregation during mitosis. C21orf45 has dimer (~52 kDa) and heterodimer(~105 kDa) forms.</p>
Molecular Weight:	26 kDa
Gene ID:	54069

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 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. Fujita, Y., Hayashi, T., Kiyomitsu, T., Toyoda, Y., Kokubu, A., Obuse, C., Yanagida, M. Priming of centromere for CENP-A recruitment by human hMi18-alpha, hMis18-beta, and M18BP1. Dev. Cell 12: 17-30, 2007. 2. Gross, M. B. Personal Communication. Baltimore, Md. 9/28/2018. 3. Kim, I. S., Lee, M., Park, K. C., Jeon, Y., Park, J. H., Hwang, E. J., Jeon, T. I., Ko, S., Lee, H., Baek, S. H., Kim, K. I. Roles of Mis18-alpha in epigenetic regulation of centromeric chromatin and CENP-A loading. Molec. Cell 46: 260-273, 2012.</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 Na2HPO4.
Storage:	4 °C,-20 °C

Handling

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.