Datasheet for ABIN7603134

anti-FAM33A antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	FAM33A
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FAM33A antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SKA2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SKA2, which shares 90.0% amino acid (aa) sequence identity with both mouse and rat SKA2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SKA2 Antibody Picoband® (ABIN7603134). Tested in Flow Cytometry, 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:	FAM33A
Alternative Name:	SKA2 (FAM33A Products)
Background:	Synonyms: Spindle and kinetochore-associated protein 2, Protein FAM33A, SKA2, FAM33A Background: Spindle and kinetochore-associated protein 2 is a protein that in humans is encoded by the SKA2 gene found in chromosome 17.SKA2 is a part of a spindle and kinetochore associated complex also including SKA1 and SKA3 which is responsible for onset of the anaphase in mitosis by regulating chromosomal segregation. SKA2 may function as a prognostic gene marker for identifying lung cancer[3] as well as a proposed biomarker for suicidal tendencies and post-traumatic stress disorders.[4][5] The SKA2 gene contains one single-nucleotide polymorphism (SNP) rs7208505 located in the 3' UTR. This genetic variant containing a cytosine (existing in the less common allele) instead of thymine along with epigenetic modification (such as DNA methylation) is correlated with suicidal tendencies and post-traumatic stress
Molecular Weight:	20 kDa
Gene ID:	348235
Pathways:	M Phase

Application Details

Application Notes:	"Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human "1. Hanisch A, Silljé HH, Nigg EA (November 2006). "Timely anaphase onset requires a novel spindle and kinetochore complex comprising Ska1 and Ska2". The EMBO Journal. 25 (23): 5504-15. 2. Wang Y, Zhang Y, Zhang C, Weng H, Li Y, Cai W, Xie M, Long Y, Ai Q, Liu Z, Du G, Wang S, Niu Y, Song F, Ozaki T, Bu Y (September 2015). "The gene pair PRR11 and SKA2 shares a NF-Y-regulated biional promoter and contributes to lung cancer development". Biochimica et Biophysica Acta. 1849 (9): 1133-44. 3. Guintivano J, Brown T, Newcomer A, Jones M, Cox O, Maher BS, Eaton WW, Payne JL, Wilcox HC, Kaminsky ZA (December 2014). "Identification and replication of a combined epigenetic and genetic biomarker predicting suicide and suicidal behaviors". The American Journal of Psychiatry. 171 (12): 1287-96.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

Reconstitution:	Add 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, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store 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 freeze-thaw cycles.