Datasheet for ABIN7600365

anti-SMARCA2 antibody (AA 181-624)

Go to Product page

Overview

Quantity:	100 µg
Target:	SMARCA2
Binding Specificity:	AA 181-624
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SMARCA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SMARCA2/BRM Antibody Picoband® (monoclonal, 3G3)
Immunogen:	E.coli-derived human SMARCA2/BRM recombinant protein (Position: Q181-N624).
Clone:	3G3
Isotype:	IgG2a
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SMARCA2/BRM Antibody Picoband® (monoclonal, 3G3) (ABIN7600365). Tested in Flow Cytometry, IF, 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.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	SMARCA2
Alternative Name:	SMARCA2 (SMARCA2 Products)
Background:	Synonyms: Probable global transcription activator SNF2L2, ATP-dependent helicase SMARCA2, BRG1-associated factor 190B, BAF190B, Protein brahma homolog, hBRM, SNF2-alpha, SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 2, SMARCA2, BAF190B, BRM, SNF2A, SNF2L2 Tissue Specificity: Widely expressed in fetal and adult tissues. Background: Probable global transcription activator SNF2L2 is a protein that in humans is encoded by the SMARCA2 gene. It is mapped to 9p24.3. The protein encoded by this gene is a member of the SWI/SNF family of proteins and is highly similar to the brahma protein of Drosophila. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI, which is required for transcriptional activation of genes normally repressed by chromatin. Alternatively spliced transcript variants encoding different isoforms have been found for this gene, which contains a trinucleotide repeat (CAG) length polymorphism.
Molecular Weight:	210 kDa
Gene ID:	6595
UniProt:	P51531

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. de la Serna, I. L., Carlson, K. A., Imbalzano, A. N. Mammalian SWI/SNF complexes promote MyoD-mediated muscle differentiation. Nature Genet. 27: 187-190, 2001. 2. Hakimi, M.-A., Bochar, D. A., Schmiesing, J. A., Dong, Y., Barak, O. G., Speicher, D. W., Yokomori, K., Shiekhattar, R. A chromatin remodelling complex that loads cohesin onto human chromosomes. Nature 418: 994-998, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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 Na_2HPO_4, 0.05 mg NaN_3.
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.