Datasheet for ABIN7601969

anti-SMARCA2 antibody (AA 53-1405)

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Overview

Quantity:	100 µg
Target:	SMARCA2
Binding Specificity:	AA 53-1405
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SMARCA2/BRM Antibody Picoband®
Immunogen:	E.coli-derived human SMARCA2/BRM recombinant protein (Position: V53-K1405).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SMARCA2/BRM Antibody Picoband® (ABIN7601969). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB 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:	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: Detected in milk (at protein level). . 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, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 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:	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
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.