Datasheet for ABIN7600326

anti-SMARCE1 antibody (AA 18-293)

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Overview

Quantity:	100 µg
Target:	SMARCE1
Binding Specificity:	AA 18-293
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMARCE1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-BAF57/SMARCE1 Antibody Picoband®
Immunogen:	E.coli-derived human BAF57/SMARCE1 recombinant protein (Position: Q18-A293).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-BAF57/SMARCE1 Antibody Picoband® (ABIN7600326). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey, 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:	SMARCE1
Alternative Name:	SMARCE1 (SMARCE1 Products)
Background:	Synonyms: Histone-lysine N-methyltransferase SETD1A, Lysine N-methyltransferase 2F, SET domain-containing protein 1A, Hset1a, Set1/Ash2 histone methyltransferase complex subunit SET1, SETD1A, KIAA0339, KMT2F, SET1, SET1A Background: SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1 is a protein that in humans is encoded by the SMARCE1 gene. The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart.
Molecular Weight:	54 kDa
Gene ID:	6605
UniProt:	Q969G3
Pathways:	Chromatin Binding

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Monkey, 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. Chi, T. H., Wan, M., Zhao, K., Taniuchi, I., Chen, L., Littman, D. R., Crabtree, G. R. Reciprocal regulation of CD4/CD8 expression by SWI/SNF-like BAF complexes. Nature 418: 195-199, 2002. 2. Smith, M. J., O'Sullivan, J., Bhaskar, S. S., Hadfield, K. D., Poke, G., Caird, J., Sharif, S., Eccles, D., Fitzpatrick, D., Rawluk, D., du Plessis, D., Newman, W. G., Evans, D. G. Loss-of-function mutations in SMARCE1 cause an inherited disorder of multiple spinal meningiomas. Nature Genet. 45: 295-298, 2013. 3. Tsurusaki, Y., Okamoto, N., Ohashi, H., Kosho, T., Imai, Y., Hibi-Ko, Y., Kaname, T., Naritomi, K., Kawame, H., Wakui, K., Fukushima, Y., Homma, T., and 19 others. Mutations affecting components of the SWI/SNF complex cause Coffin-Siris syndrome. Nature

Application Details

	Genet. 44: 376-378, 2012.
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.