Datasheet for ABIN7601016

anti-SMOC1 antibody (AA 27-434)

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Overview

Quantity:	100 µg
Target:	SMOC1
Binding Specificity:	AA 27-434
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMOC1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SMOC1 Antibody Picoband®
Immunogen:	E.coli-derived human SMOC1 recombinant protein (Position: H27-V434).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SMOC1 Antibody Picoband® (ABIN7601016). Tested in ELISA, 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.

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Target Details

Target:	SMOC1
Alternative Name:	SMOC1 (SMOC1 Products)
Background:	Synonyms: Protein SOX-15, Protein SOX-12, Protein SOX-20, SOX15, SOX12, SOX20, SOX26, SOX27 Tissue Specificity: Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis. Background: This gene encodes a multi-domain secreted protein that may have a critical role in ocular and limb development. Mutations in this gene are associated with microphthalmia and limb anomalies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	70 kDa
Gene ID:	64093
UniProt:	Q9H4F8
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Abouzeid, H., Boisset, G., Favez, T., Youssef, M., Marzouk, I., Shakankiry, N., Bayoumi, N., Descombes, P., Agosti, C., Munier, F. L., Schorderet, D. F. Mutations in the SPARC-related modular calcium-binding protein 1 gene, SMOC1, cause Waardenburg anophthalmia syndrome. Am. J. Hum. Genet. 88: 92-98, 2011. 2. Hamanoue, H., Megarbane, A., Tohma, T., Nishimura, A., Mizuguchi, T., Saitsu, H., Sakai, H., Miura, S., Toda, T., Miyake, N., Niikawa, N., Yoshiura, K., Hirahara, F., Matsumoto, N. A locus for ophthalmo-acromelic syndrome mapped to 10p11.23. Am. J. Med. Genet. 149A: 336-342, 2009. 3. Okada, I., Hamanoue, H., Terada, K., Tohma, T., Megarbane, A., Chouery, E., Abou-Ghoch, J., Jalkh, N., Cogulu, O., Ozkinay, F., Horie, K., Takeda, J., and 16 others. SMOC1 is essential for ocular and limb development in humans and mice. Am. J. Hum. Genet. 88: 30-41, 2011.
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.

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