Datasheet for ABIN7600503

anti-WHSC1 antibody (AA 2-478)

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Overview

Quantity:	100 µg
Target:	WHSC1
Binding Specificity:	AA 2-478
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WHSC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-WHSC1/NSD2 Antibody Picoband®
Immunogen:	E.coli-derived human WHSC1/NSD2 recombinant protein (Position: E2-A478).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-WHSC1/NSD2 Antibody Picoband® (ABIN7600503). Tested in ELISA, WB applications. This antibody reacts with Human, Monkey. 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:	WHSC1
Alternative Name:	NSD2 (WHSC1 Products)
Background:	Synonyms: Protein Bop, BH3-only protein, Retrotransposon Gag-like protein 10, RTL10, BOP, C22orf29 Tissue Specificity: Ubiquitously expressed. Background: This gene encodes a protein that contains four domains present in other developmental proteins: a PWWP domain, an HMG box, a SET domain, and a PHD-type zinc finger. It is expressed ubiquitously in early development. Wolf-Hirschhorn syndrome (WHS) is a malformation syndrome associated with a hemizygous deletion of the distal short arm of chromosome 4. This gene maps to the 165 kb WHS critical region and has also been involved in the chromosomal translocation t(4,14)(p16.3,q32.3) in multiple myelomas. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. Some transcript variants are nonsense-mediated mRNA (NMD) decay candidates, hence not represented as reference sequences.
Molecular Weight:	70 kDa, 160 kDa
Gene ID:	7468
UniProt:	O96028
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Monkey ELISA, 0.1-0.5 µg/mL, - 1. Baxendale, S., MacDonald, M. E., Mott, R., Francis, F., Lin, C., Kirby, S. F., James, M., Zehetner, G., Hummerich, H., Valdes, J., Collins, F. S., Deaven, L. J., Gusella, J. F., Lehrach, H., Bates, G. P. A cosmid contig and high resolution restriction map of the 2 megabase region containing the Huntington's disease gene. Nature Genet. 4: 181-186, 1993. 2. Chesi, M., Nardini, E., Brents, L. A., Schrock, E., Ried, T., Kuehl, W. M., Bergsagel, P. L. Frequent translocation t(4,14)(p16.3,q32.3) in multiple myeloma is associated with increased expression and activating mutations of fibroblast growth factor receptor 3. Nature Genet. 16: 260-264, 1997. 3. Jaffe, J. D., Wang, Y., Chan, H. M., Zhang, J., Huether, R., Kryukov, G. V., Bhang, H. C., Taylor, J. E., Hu, M., Englund, N. P., Yan, F., Wang, Z., and 20 others. Global chromatin profiling reveals NSD2 mutations in pediatric acute lymphoblastic leukemia. Nature Genet. 45: 1386-1391, 2013.
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.