Datasheet for ABIN7600323

anti-WNT5B antibody (AA 18-218)

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Overview

Quantity:	100 µg
Target:	WNT5B
Binding Specificity:	AA 18-218
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNT5B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-Wnt5b Antibody Picoband®
Immunogen:	E.coli-derived human Wnt5b recombinant protein (Position: Q18-K218).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Wnt5b Antibody Picoband® (ABIN7600323). 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.

Target Details

Target:	WNT5B
Alternative Name:	WNT5B (WNT5B Products)
Background:	Synonyms: T-lymphocyte surface antigen Ly-9, Cell surface molecule Ly-9, Lymphocyte antigen 9, SLAM family member 3, SLAMF3, Signaling lymphocytic activation molecule 3, CD229, LY9, CDABP0070 Tissue Specificity: Increased surface expression on T-cells of systemic lupus erythematosus (SLE) patients. Background: The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It encodes a protein which shows 94 % and 80 % amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants.
Molecular Weight:	45 kDa
Gene ID:	81029
UniProt:	Q9H1J7
Pathways:	WNT Signaling, Embryonic Body Morphogenesis, Positive Regulation of fat Cell Differentiation

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. Gavin, B. J., McMahon, J. A., McMahon, A. P. Expression of multiple novel Wnt-1/int-1-related genes during fetal and adult mouse development. Genes Dev. 4: 2319-2332, 1990. 2. Kanazawa, A., Tsukada, S., Sekine, A., Tsunoda, T., Takahashi, A., Kashiwagi, A., Tanaka, Y., Babazono, T., Matsuda, M., Kaku, K., Iwamoto, Y., Kawamori, R., Kikkawa, R., Nakamura, Y., Maeda, S. Association of the gene encoding wingless-type mammary tumor virus integration-site family member 5B (WNT5B) with type 2 diabetes. Am. J. Hum. Genet. 75: 832-843, 2004. 3. Saitoh, T., Katoh, M. Molecular cloning and characterization of human WNT5B on chromosome 12p13.3 region. Int. J. Oncol. 19: 347-351, 2001.
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 Na2HPO4, 0.01 mg Sodium azide.
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.