Datasheet for ABIN7601565

anti-SIX4 antibody (AA 387-781)

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Overview

Quantity:	100 µg
Target:	SIX4
Binding Specificity:	AA 387-781
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SIX4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SIX4 Antibody Picoband®
Immunogen:	E.coli-derived human SIX4 recombinant protein (Position: Q387-L781).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-SIX4 Antibody Picoband® (ABIN7601565). Tested in ELISA, IF, ICC, WB, Flow Cytometry 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:	SIX4
Alternative Name:	SIX4 (SIX4 Products)
Background:	Synonyms: N-alpha-acetyltransferase 15, NatA auxiliary subunit,Gastric cancer antigen Ga19,N-terminal acetyltransferase,NMDA receptor-regulated protein 1,Protein tubedown-1,Tbdn100,NAA15,GA19, NARG1, NATH, TBDN100, Tissue Specificity: Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. Overexpressed in gastric cancer, in papillary thyroid carcinomas and in a Burkitt lymphoma cell line (Daudi). Specifically suppressed in abnormal proliferating blood vessels in eyes of patients with proliferative diabetic retinopathy. . Background: Homeobox protein SIX4 is a protein that in humans is encoded by the SIX4 gene. This gene encodes a member of the homeobox family, subfamily SIX. The drosophila homolog is a nuclear homeoprotein required for eye development. Studies in mouse show that this gene product functions as a transcription factor, and may have a role in the differentiation or maturation of neuronal cells.
Molecular Weight:	95 kDa
Gene ID:	51804
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blot, 0.25-0.5 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. Boucher, C. A., Winchester, C. L., Hamilton, G. M., Winter, A. D., Johnson, K. J., Bailey, M. E. S. Structure, mapping and expression of the human gene encoding the homeodomain protein, SIX2. Gene 247: 145-151, 2000. 2. Kawakami, K., Ohto, H., Ikeda, K., Roeder, R. G. Structure, function and expression of a murine homeobox protein AREC3, a homologue of Drosophila sine oculis gene product, and implication in development. Nucleic Acids Res. 24: 303-310, 1996. 3. Ohto, H., Takizawa, T., Saito, T., Kobayashi, M., Ideda, K., Kawakami, K. Tissue and developmental distribution of Six family gene products. Int. J. Dev. Biol. 42: 141-148, 1998.
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.