Datasheet for ABIN7601915

anti-ECD/SGT1 antibody (AA 50-567)

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Overview

Quantity:	100 µg
Target:	ECD/SGT1 (ECD)
Binding Specificity:	AA 50-567
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECD/SGT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SGT1/ECD Antibody Picoband®
Immunogen:	E.coli-derived human SGT1/ECD recombinant protein (Position: L50-Q567).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SGT1/ECD Antibody Picoband® (ABIN7601915). Tested in ELISA, Flow Cytometry, IF, ICC, 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:	ECD/SGT1 (ECD)
Alternative Name:	ECD (ECD Products)
Background:	Synonyms: Disintegrin and metalloproteinase domain-containing protein 10, ADAM 10, CDw156, Kuzbanian protein homolog, Mammalian disintegrin-metalloprotease, CD156c, ADAM10, KUZ, MADM Tissue Specificity: Expressed in spleen, lymph node, thymus, peripheral blood leukocyte, bone marrow, cartilage, chondrocytes and fetal liver. Background: Protein SGT1 is a protein that in humans is encoded by the ECD gene. Regulator of p53/TP53 stability and function. Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes. Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins. The cell cycle - regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing.
Molecular Weight:	80 kDa
Gene ID:	11319
UniProt:	O95905
Pathways:	Regulation of Carbohydrate Metabolic Process

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. Hartz, P. A. Personal Communication. Baltimore, Md. 7/9/2015. 2. Kim, J. H., Gurumurthy, C. B., Band, H., Band, V. Biochemical characterization of human Ecdysoneless reveals a role in transcriptional regulation. Biol. Chem. 391: 9-19, 2010. 3. Sato, T., Jigami, Y., Suzuki, T., Uemura, H. A human gene, hSGT1, can substitute for GCR2, which encodes a general regulatory factor of glycolytic gene expression in Saccharomyces cerevisiae. Molec. Gen. Genet. 260: 535-540, 1999.
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.