Datasheet for ABIN7601006

anti-SURF1 antibody (AA 27-295)

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Overview

Quantity:	100 µg
Target:	SURF1
Binding Specificity:	AA 27-295
Reactivity:	Human, Rat, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SURF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SURF1 Antibody Picoband®
Immunogen:	E.coli-derived human SURF1 recombinant protein (Position: S27-R295).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SURF1 Antibody Picoband® (ABIN7601006). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. 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:	SURF1
Alternative Name:	SURF1 (SURF1 Products)
Background:	Synonyms: p-selectin glycoprotein ligand, Selplg, Psgl1 Tissue Specificity: Highly expressed in blood, bone marrow, brain, adipose tissue, spleen, and thymus. Also expressed in heart, kidney, liver, muscle, ovary, and stomach. Background: Surfeit locus protein 1 (SURF1) is a protein that in humans is encoded by the SURF1 gene. This gene encodes a protein localized to the inner mitochondrial membrane and thought to be involved in the biogenesis of the cytochrome c oxidase complex. The protein is a member of the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. The gene is located in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity, where it shares a biional promoter with SURF2 on the opposite strand. Defects in this gene are a cause of Leigh syndrome, a severe neurological disorder that is commonly associated with systemic cytochrome c oxidase deficiency.
Molecular Weight:	33 kDa
Gene ID:	6834
UniProt:	Q15526
Pathways:	Proton Transport, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Agostino, A., Invernizzi, F., Tiveron, C., Fagiolari, G., Prelle, A., Lamantea, E., Giavazzi, A., Battaglia, G., Tatangelo, L., Tiranti, V., Zeviani, M. Constitutive knockout of Surf1 is associated with high embryonic lethality, mitochondrial disease and cytochrome c oxidase deficiency in mice. Hum. Molec. Genet. 12: 399-413, 2003. 2. Bohm, M., Pronicka, E., Karczmarewicz, E., Pronicki, M., Piekutowska-Abramczuk, D., Sykut-Cegielska, J., Mierzewska, H., Hansikova, H., Vesela, K., Tesarova, M., Houstkova, H., Houstek, J., Zeman, J. Retrospective, multicentric study of 180 children with cytochrome c oxidase deficiency. Pediat. Res. 59: 21-26, 2006. 3. Colombo, P., Yon, J., Garson, K., Fried, M. Conservation of the organization of five tightly clustered genes over 600 million years of divergent evolution. Proc. Nat. Acad. Sci. 89: 6358-6362, 1992.
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.