Datasheet for ABIN7602260

anti-SEZ6L antibody (AA 662-953)

Go to Product page

Overview

Quantity:	100 µg
Target:	SEZ6L
Binding Specificity:	AA 662-953
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SEZ6L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-SEZ6L Antibody Picoband®
Immunogen:	E.coli-derived human SEZ6L recombinant protein (Position: E662-E953).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SEZ6L Antibody Picoband® (ABIN7602260). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, 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:	SEZ6L
Alternative Name:	SEZ6L (SEZ6L Products)
Background:	Synonyms: Protein phosphatase 1E, Ca (2+)/calmodulin-dependent protein kinase phosphatase N, CaMKP-N, CaMKP-nucleus, CaMKN, Partner of PIX 1, Partner of PIX-alpha, Partner of PIXA, PPM1E, CAMKN, KIAA1072, POPX1 Tissue Specificity: Expressed in fetal and adult brain. Also detected in fetal liver and skeletal muscle, but not in their adult counterparts. Background: Seizure 6-like protein is a protein that in humans is encoded by the SEZ6L gene. SEZ6L (Seizure 6-Like protein, also BSRP-B in rodent) is a 200 kDa member of the SEZ6 family of proteins. It is expressed in the plasma membrane and ER of CNS neurons and lung bronchiolar epithelium, and likely regulates PKC alpha activation. Mature human SEZ6L is a 996 amino acid (aa) type I transmembrane protein. It contains a 930 aa extracellular domain (ECD) (aa 29-958) plus a 45 aa cytoplasmic tail. The ECD shows three CUB domains and five short consensus repeats (SCRs). There are multiple isoforms possible for SEZ6L. One shows a deletion of aa 933-943, and a second shows the same deletion coupled to a Thr substitution for aa 803-867. A third isoform contains a Leu substitution for aa 867-943. An alternative start site is reported at Met228. This start site may occur individually, or be accompanied by a deletion of aa 932-944, the same deletion of aa 932-944 coupled to a Thr substitution for aa 803-867, or a duel deletion of aa 869-945 and 1016-1024. Over aa 29-958, human BSRP-B is 80 % aa identical to mouse BSRP-B.
Molecular Weight:	112 kDa
Gene ID:	23544

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. Dunham, I., Shimizu, N., Roe, B. A., Chissoe, S., Hunt, A. R., Collins, J. E., Bruskiewich, R., Beare, D. M., Clamp, M., Smink, L. J., Ainscough, R., Almeida, J. P., and 213 others. The DNA sequence of human chromosome 22. Nature 402: 489-495, 1999. Note: Erratum: Nature 404: 904 only, 2000. 2. Miyazaki, T., Hashimoto, K., Uda, A., Sakagami, H., Nakamura, Y., Saito, S., Nishi, M., Kume, H., Tohgo, A., Kaneko, I., Kondo, H., Fukunaga, K., Kano, M., Watanabe, M., Takeshima, H. Disturbance of cerebellar synaptic maturation in mutant mice lacking BSRPs, a novel brain-

Application Details

	specific receptor-like protein family. FEBS Lett. 580: 4057-4064, 2006. 3. Nishioka, M., Kohno, T., Takahashi, M., Niki, T., Yamada, T., Sone, S., Yokota, J. Identification of a 428-kb homozygously deleted region disrupting the SEZ6L gene at 22q12.1 in a lung cancer cell line. Oncogene 19: 6251-6260, 2000.
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 and 0.2 mg Na2HPO4.
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.