

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SEZ6L in direct ELISAs and Western blots. In direct ELISAs, approximately 25% cross-reactivity with recombinant mouse (rm) BSRP-B is observed and less than 2% cross-reactivity with rmBSRP-A and rmBSRP-C is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SEZ6L Leu29-Ala958 Accession # Q9BYH1
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

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 PKCα 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 dual deletion of aa 869-945 and 1016-1024. Over aa 29-958, human BSRP-B is 80% aa identical to mouse BSRP-B.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc., and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.