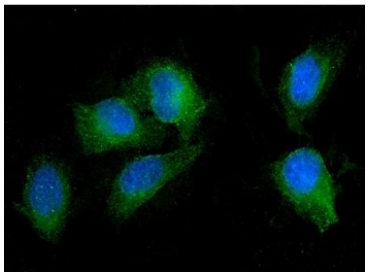
SEZ6L Antibody / Tumor-Associated Transmembrane Protein Antibody (RQ5836)

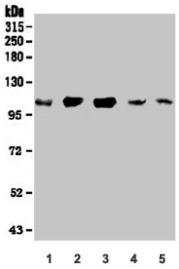
Catalog No.	Formulation	Size
RQ5836	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

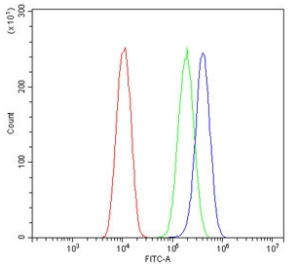
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BYH1
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SEZ6L Antibody / Tumor-Associated Transmembrane Protein Antibody is available for research use only.



SEZ6L Antibody U-2 OS IF. Immunofluorescent staining of FFPE human U-2 OS cells using SEZ6L antibody demonstrates diffuse cytoplasmic and membranous green fluorescence with mild perinuclear enrichment, consistent with localization of SEZ6L within membrane-associated and secretory pathway-related cellular compartments. Nuclear counterstain shown in blue with DAPI. HIER: steam section in pH6 citrate buffer for 20 min.



SEZ6L Antibody Multi-Species WB. Western blot analysis of human HEK293, ThP-1, HL-60, rat brain, and mouse brain lysates using SEZ6L antibody demonstrates bands migrating near 100-120 kDa, consistent with the expected molecular weight range of SEZ6L depending on glycosylation state and post-translational processing. The observed signal across both human and rodent samples supports expression of this membrane-associated glycoprotein in neuronal and non-neuronal cellular systems.



SEZ6L Antibody U-2 OS FACS. Flow cytometry analysis of human U-2 OS cells using SEZ6L antibody demonstrates a distinct rightward fluorescence shift relative to isotype control, supporting expression of SEZ6L in osteosarcoma-derived cells. The observed staining profile is consistent with detection of this tumor-associated transmembrane signaling protein in membrane-associated cellular compartments. Red=cells alone, Green=isotype control, Blue=SEZ6L antibody.

Description

Seizure related 6 homolog like (SEZ6L) is a type I transmembrane protein belonging to the seizure-related protein family involved in extracellular signaling, cell interaction pathways, and membrane-associated regulatory processes. SEZ6L Antibody / Tumor-Associated Transmembrane Protein Antibody recognizes a membrane-associated glycoprotein characterized by extracellular complement C1r/C1s, Uegf, and Bmp1 (CUB) domains together with Sushi/CCP protein interaction motifs that contribute to intercellular communication and signaling-associated functions.

SEZ6L antibody, also referred to as seizure related 6 homolog like antibody and SEZ6-like protein antibody in the literature, is useful for investigating membrane-associated signaling pathways, neuronal-associated biology, and tumor-related cellular interaction mechanisms. SEZ6L has attracted increasing interest in studies examining cancer-associated expression patterns and transmembrane signaling networks linked to epithelial tumor progression.

SEZ6L is primarily localized to the plasma membrane and secretory pathway-associated cellular compartments where it may participate in extracellular protein interactions and cell surface communication pathways. Members of the SEZ6 protein family are strongly associated with neuronal development and synaptic biology, although SEZ6L expression has additionally been reported in multiple non-neuronal tissues and tumor-associated cellular populations.

In cancer biology research, elevated SEZ6L expression has been described in lung adenocarcinoma and additional epithelial malignancies. The protein has been investigated as a potential tumor-associated biomarker linked to cellular proliferation, migration, extracellular signaling adaptation, and cancer-associated membrane protein regulation. Because SEZ6L is membrane-associated and exposed to extracellular interaction networks, it has also attracted interest in studies examining therapeutic targeting strategies and tumor-associated cell surface biology.

SEZ6L contains multiple extracellular protein interaction domains that may contribute to signaling complex formation, receptor-associated communication, and membrane trafficking-associated processes. Although the precise biologic functions of SEZ6L remain incompletely characterized, available evidence supports involvement in cell interaction pathways and extracellular signaling regulation associated with both neuronal and tumor-associated cellular systems.

Immunohistochemistry and immunofluorescence staining with SEZ6L antibodies may demonstrate membranous, cytoplasmic, and vesicular localization patterns depending on cell type and biologic context. Western blot analysis typically identifies SEZ6L as a relatively high molecular weight glycoprotein with variable migration patterns that may reflect glycosylation state and post-translational processing-associated modification.

The growing interest in SEZ6L within tumor biology and membrane signaling research supports the utility of SEZ6L

antibodies for investigating transmembrane signaling pathways, extracellular interaction networks, and cancer-associated membrane protein biology. The protein's association with both neuronal systems and epithelial tumor-associated signaling further contributes to its emerging relevance in translational and cell biology research applications.

Together, the available literature and biologic characterization support the use of SEZ6L antibody for investigating tumor-associated transmembrane signaling pathways, extracellular protein interaction biology, and membrane-associated regulatory mechanisms.

Explore additional Cancer Antibodies targeting tumor-associated transmembrane proteins, extracellular signaling regulators, and membrane-associated cellular interaction pathways.

Application Notes

Optimal dilution of the SEZ6L Antibody / Tumor-Associated Transmembrane Protein Antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids E662-E953) was used as the immunogen for the SEZ6L antibody.

Storage

After reconstitution, the SEZ6L antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

SEZ6L antibody, seizure related 6 homolog like antibody, seizure-related protein antibody, transmembrane signaling protein antibody, SEZ6-like protein antibody

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