



Rabbit Anti-Human L1CAM monoclonal antibody, clone S125 (CABT-ZB875)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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|---------------------------|--|
| Specificity | It reacts with Human L1CAM |
| Target | L1CAM |
| Immunogen | Recombinant Human CD171/N-CAML1/L1CAM protein |
| Isotype | IgG1 |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Clone | S125 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(det), IHC-P, FC, ICC/IF We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB503 - CABT-ZB875 This antibody will detect L1CAM in antibody pair set. [ABPR-ZB078] |
| Preparation | This antibody was obtained from a rabbit immunized with purified, recombinant Human CD171 / N-CAML1 / L1CAM. |
| Format | Purified, Liquid |
| Concentration | Lot specific |
| Size | 50 µL, 100 µL, 1 mL |

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|--------------|--|
| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

Introduction L1 cell adhesion molecule (L1CAM), also designated as CD171, is a cell adhesion receptor of the immunoglobulin superfamily, known for its roles in nerve cell function. While originally believed to be present only in brain cells, in recent years L1-CAM has been detected in other tissues, and a variety of cancer cells, including some common types of human cancer. L1CAM interacts with a variety of ligands including axonin-1, CD9, neurocan, and integrins, and it has been revealed that the RGD motif in the sixth Ig domain of L1CAM is a binding site for integrins, thus important for nuclear signaling. Disruption of L1CAM function causes three X-linked neurological syndromes, i.e. hydrocephalus, MASA syndrome (mental retardation, aphasia, shuffling gait, and adducted thumbs), and spastic paraplegia syndrome. Overexpression of L1CAM in normal and cancer cells increased motility, enhanced growth rate, and promoted cell transformation and tumorigenicity. Recent work has identified L1CAM (CD171) as a novel marker for human carcinoma progression, and a candidate for anti-cancer therapy.

Keywords L1CAM; L1 cell adhesion molecule; S10; HSAS

GENE INFORMATION

Synonyms L1CAM; L1 cell adhesion molecule; S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1; neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1; anti-L1-CAM

Entrez Gene ID [3897](#)

UniProt ID [P32004](#)