

Anti-CD171 [L1-14.10] Standard Size Ab01427-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: L1-14.10

Alternative Name(s) of Target: L1CAM; 14.10; L1; Neural cell adhesion molecule L1; N-CAM-L1; NCAM-L1

UniProt Accession Number of Target Protein: P32004

Published Application(s): IP, WB, FC, IF, IHC

Published Species Reactivity: Human

Immunogen: This antibody was raised by immunising mice with recombinant L1-Fc fusion protein, consisting of the ectodomain of human L1.

Specificity: This antibody is specific for the ectodomain (amino acids M1 to E1123) of human L1, and recognises an epitope in the third Ig domain. L1 is over-expressed in a range of tumours, including neuroblastomas, renal carcinomas, ovarian and endometrial carcinomas, and melanomas. This antibody does not cross-react with human CHL1.

Application Notes: The specificity of this antibody has been confirmed in flow cytometric (Schafer et al, 2012; Huszar et al, 2006) and Western blot analysis (Huszar et al, 2006; Wolterink et al, 2010). This antibody has been shown, when incubated with SKOV3ip human ovarian carcinoma cells, to efficiently and sustainedly block extracellular signal-regulated kinase (Erk) phosphorylation (Gast et al, 2008). This antibody has been used in immunohistochemical staining for L1 expression, using paraffin-embedded human ovarian carcinoma tissue sections (Wolterink et al, 2010; Knogler et al, 2007) and a panel of human tumour tissue sections, including benign and malignant tumours of the female genital tract (Huszar et al, 2006), and renal cell carcinoma, schwannoma, gastric conventional GIST, pancreatic neuroendocrine tumor and paraganglioma (Inaguma et al, 2016). This antibody, when administered to SCID mice in combination with cytostatic drugs, efficiently reduces the growth of subcutaneously grown Colo357 or SKOV3ip tumors (Schafer et al, 2012).

Antibody First Published in: Huszar et al. Expression profile analysis in multiple human tumors identifies L1 (CD171) as a molecular marker for differential diagnosis and targeted therapy. Hum Pathol. 2006 Aug;37(8):1000-8. Epub 2006 Jun 21. [PMID:16867862](#)

Note on publication: Describes the original generation of this antibody, and its use in immunohistochemical analysis.

Product Form

Size:

200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.