anti-L1

Cat #: HM1211
Mouse monoclonal IgG
0.2 μg/μl, store at 4 °C

For research use only

BACKGROUND
L1 is an axonal glycoprotein belonging to the immunoglobulin supergene family. It contains several immunoglobulin-like domains and fibronectin-like repeats (type III), a single transmembrane sequence, and a conserved cytoplasmic domain. Expression of L1 protein is restricted to tissues arising from neuroectoderm. L1 plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus).

SPECIFICITY
This antibody reacts with the human L1. Others not known.

It can be used in Western blotting, immunoprecipitation and immunohistochemistry (including paraffin-embedded sections).

Molecular Weight: 220-240kDa. Western blotting positive control: A-431 cells.

IMMUNOGEN
Homogenous suspension of human fetal brain.

STORAGE
This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES
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3. Vits,L., Van Camp,G., Coucke,P., Fransen,E., De Boulle,K., Reyniers,E., Korn,B., Poustka,A., Wilson,G., Schrander-Stumpel,C. et al. (1994) MASA syndrome is due to mutations in the neural cell adhesion gene L1CAM. Nat. Genet. 7, 408-413.
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5. Gavert,N., Conacci-Sorrell,M., Gast,D., Schneider,A., Altevogt,P., Brabletz,T. and Ben-Ze'ev,A. (2005) L1, a novel target of beta-catenin signaling, transforms cells and is expressed at the invasive front of colon cancers. J. Cell Biol. 168, 633-642.

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