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Product datasheet for TA500728

L1CAM Mouse Monoclonal Antibody [Clone ID: OTI2A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A6
Applications:	FC, IF, IHC, IP, WB
Recommend Dilution:	WB 1:1000, IHC 1:50, IF 1:100, Flow 1:100, IP 2-4ug/mg
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human IDH3A (NP_005521) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.97 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	140.0 kDa
Gene Name:	L1 cell adhesion molecule
Database Link:	NP_000416 Entrez Gene 3897 Human
Background:	The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule 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). Alternative splicing of a neuron-specific exon is thought to be functionally relevant.
Synonyms:	CAML1; CD171; HSAS; HSAS1; MASA; MIC5; N-CAM-L1; N-CAML1; NCAM-L1; S10; SPG1
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Axon guidance, Cell adhesion molecules (CAMs)

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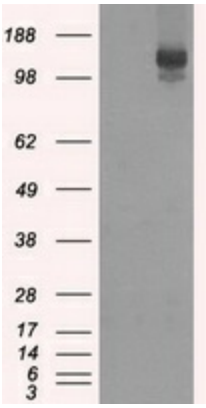
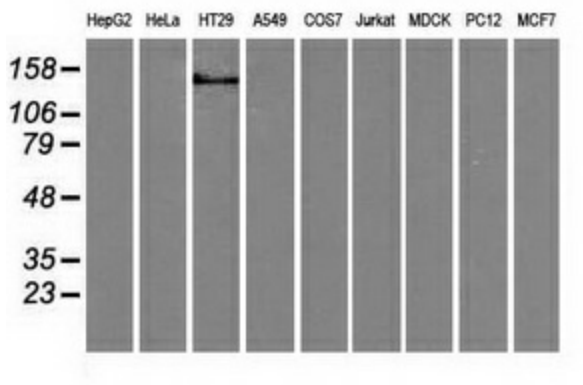
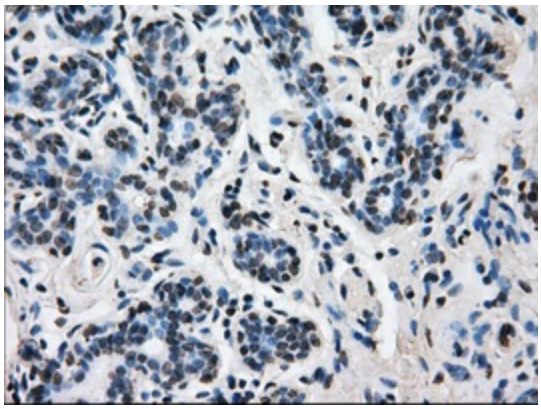
Product images:



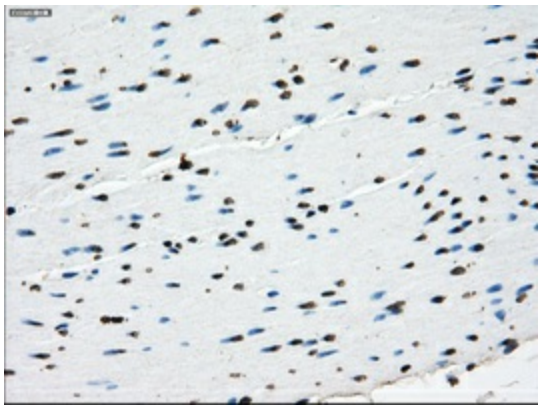
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY L1CAM ([RC211601], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-L1CAM. Positive lysates [LY400150] (100ug) and [LC400150] (20ug) can be purchased separately from OriGene.



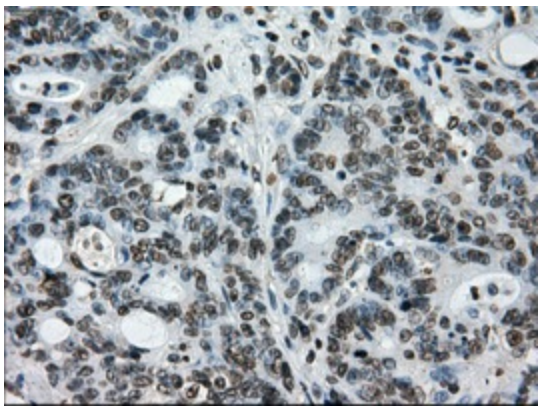
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-L1CAM monoclonal antibody.



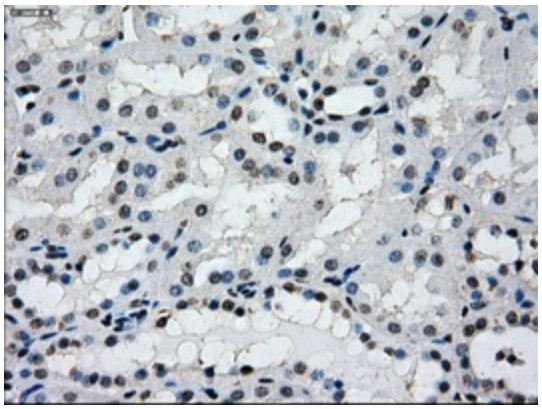
Immunohistochemical staining of paraffin-embedded breast tissue within the normal limits using anti-L1CAM mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



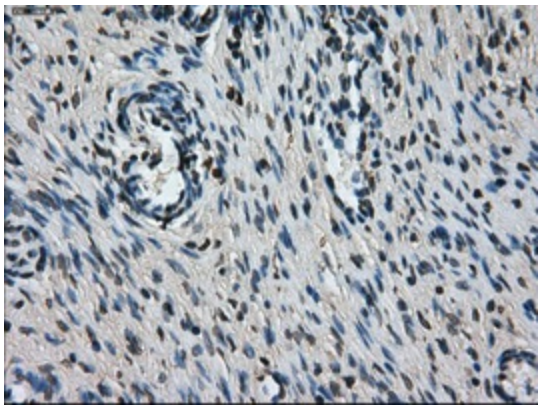
Immunohistochemical staining of paraffin-embedded colon tissue within the normal limits using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



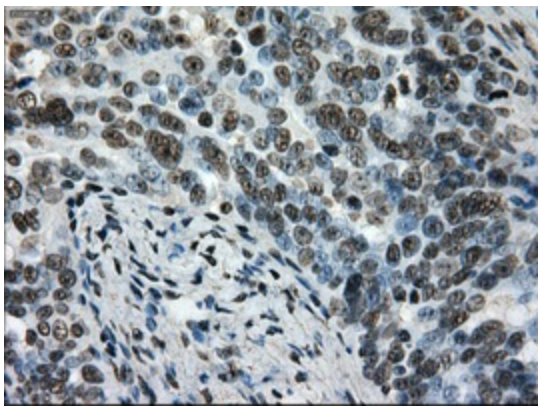
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



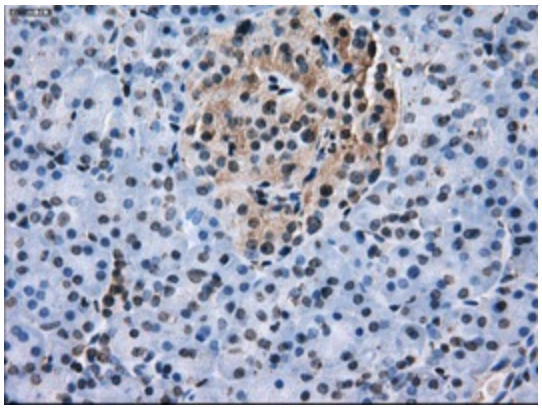
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



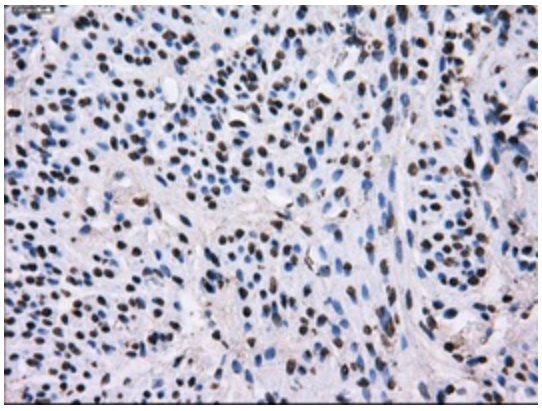
Immunohistochemical staining of paraffin-embedded Ovary tissue within the normal limits using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



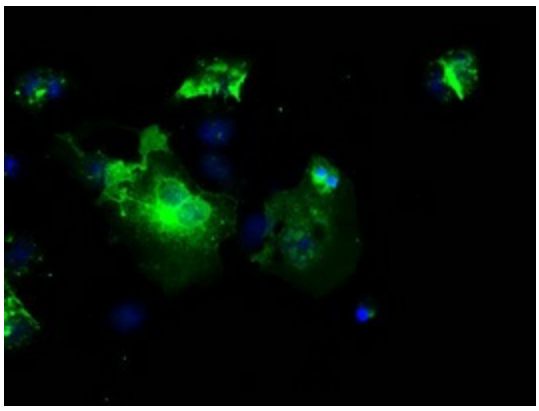
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



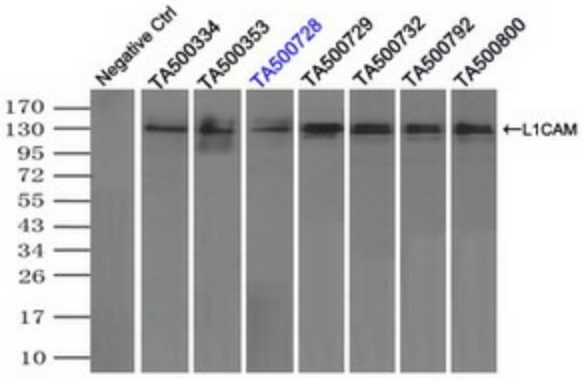
Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



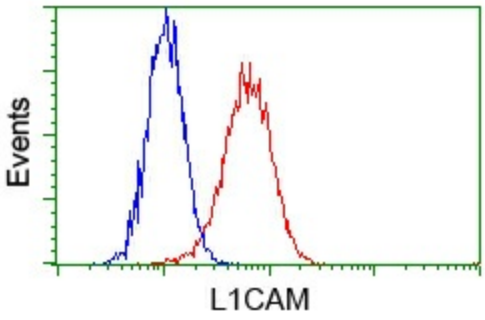
Immunohistochemical staining of paraffin-embedded endometrium tissue within the normal limits using anti-L1CAMmouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA500728, Dilution 1:50)



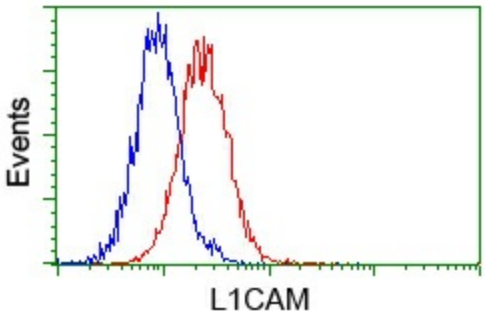
Anti-L1CAM mouse monoclonal antibody (TA500728) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY L1CAM ([RC211601]).



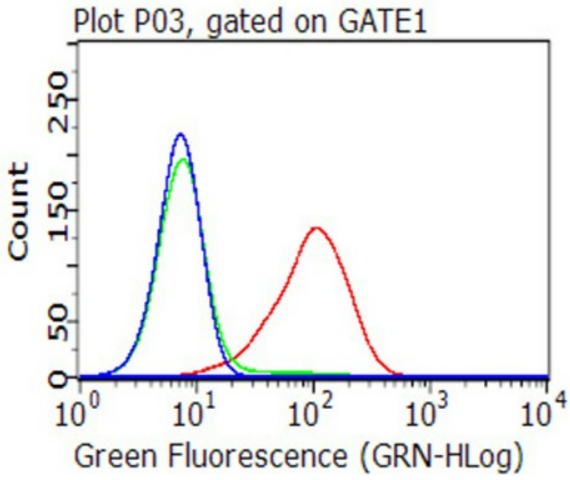
Immunoprecipitation of L1CAM by using TrueMab monoclonal anti-L1CAM antibody (Negative control: IP without adding anti-L1CAM antibody). For each experiment, 500ul of DDK tagged L1CAM overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-L1CAM antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.



Flow cytometric analysis of Hela cells, using anti-L1CAM antibody (TA500728), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-L1CAM antibody (TA500728), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).



Flow cytometric analysis of living A375 cells, using anti-L1CAM antibody (TA500728, Red), compared to an isotype control (green), and a PBS control (blue) (1:100).