L1CAM RABBIT PAB

Cat.#: S220358

Product Name: Anti-L1CAM Rabbit Polyclonal Antibody

Synonyms: S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1

UNIPROT ID: P32004 (Gene Accession - NP_000416)

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 X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons.

Immunogen: Synthetic peptide of human L1CAM

Applications: ELISA, IHC

Recommended Dilutions: IHC: 25-100; ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

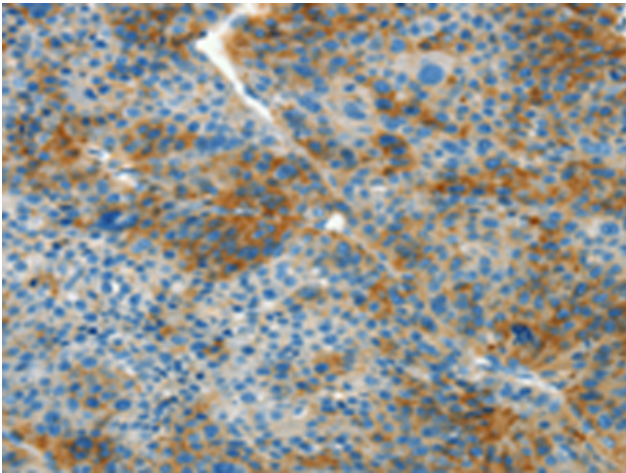**Isotype:** Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

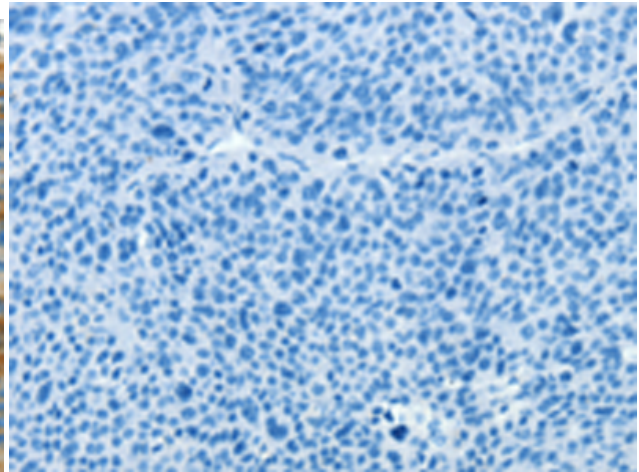**Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

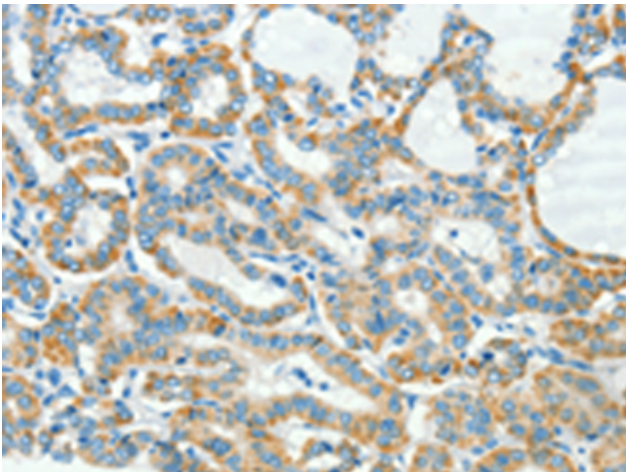**Research Areas:** Signal Transduction, Neuroscience

Storage & Shipping: Store at -20ºC. Avoid repeated freezing and thawing
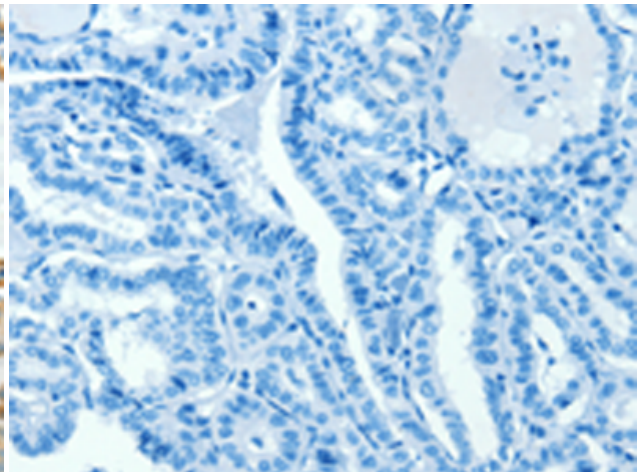
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220358(L1CAM Antibody) at a dilution of 1/40(Cytoplasm).

In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 220358(Anti-L1CAM Antibody) at dilution 1/40.

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 220358(Anti-L1CAM Antibody) at a dilution of 1/40.

In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with synthetic peptide and then with D261425(Anti-L1CAM Antibody) at dilution 1/40.