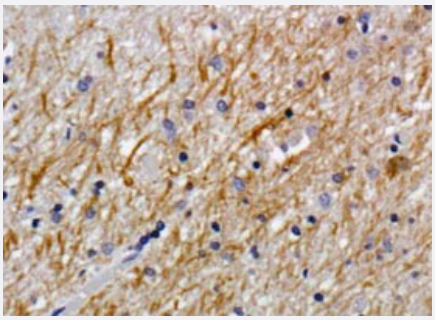
CSPG4 monoclonal antibody, clone LHM 2

Catalog # MAB7129 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry staining of CSPG4 in human brain using DAB with hematoxylin counterstain

Specification

Product Description	Mouse monoclonal antibody raised against native CSPG4.
Immunogen	Native purified CSPG4 from A375P cell crude extract.
Host	Mouse
Reactivity	Human
Specificity	MCSP (LHM 2). Predicted molecular weight 240 KDa.
Form	Liquid
Concentration	1.0 mg/mL
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-glycine, 150 mM NaCl (0.05 sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry staining of CSPG4 in human brain using DAB with hematoxylin counterstain

- Flow Cytometry
- Immunoprecipitation
- Western Blot

Gene Info — CSPG4

Entrez GeneID	1464
Gene Name	CSPG4
Gene Alias	HMW-MAA, MCSP, MCSPG, MEL-CSPG, MSK16, NG2
Gene Description	chondroitin sulfate proteoglycan 4
Omim ID	601172
Gene Ontology	Hyperlink
Gene Summary	A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-su bstratum interactions during early events of melanoma cell spreading on endothelial basement m embranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells. [provided by RefSeq
Other Designations	chondroitin sulfate proteoglycan 4 (melanoma-associated)|melanoma-associated chondroitin sulf ate proteoglycan

Publication Reference

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- Isolation of human tumor-specific antibodies by selection of an antibody phage library on melanoma cells.

  Kupsch JM, Tidman NH, Kang NV, Truman H, Hamilton S, Patel N, Newton Bishop JA, Leigh IM, Crowe JS.

  Clinical Cancer Research 1999 Apr; 5(4):925.

  Application: IF, IHC-Fr, Human, Human metastatic melanoma

- Generation and selection of monoclonal antibodies, single-chain Fv and antibody fusion phage specific for human melanoma-associated antigens.

  Kupsch JM, Tidman N, Bishop JA, McKay I, Leigh I, Crowe JS.

  Melanoma Research 1995 Dec; 5(6):403.

  Application: ELISA, Flow Cyt, IF, IHC-Fr, IP, Human, Bacteria, A-375P cells, Bacteria, DX3 cells, HMB2 cells, Human melanoma, Human non-skin tissues, Phage lysates, SK23 cells

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Genetic Predisposition to Disease
- Neuroblastoma
- Tobacco Use Disorder

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