

Basic Information

Product Name	Anti-NG2/CSPG4 Antibody	
Gene Name	CSPG4	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human	
Tested Application	WB, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived human NG2/CSPG4 recombinant protein (Position: N962-D1194).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	280,310 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Enzyme linked immunosorbent assay (ELISA):1:100-1000	

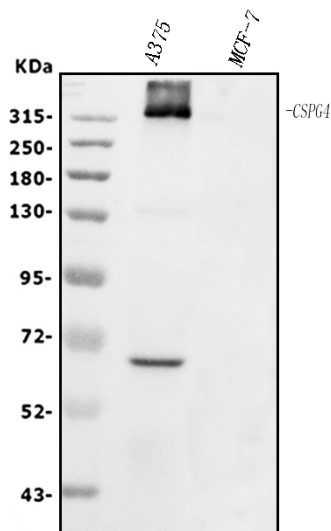
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

Chondroitin sulfate proteoglycan 4, also known as melanoma-associated chondroitin sulfate proteoglycan (MCSP) or neuron-glial antigen 2 (NG2), is a chondroitin sulfate proteoglycan that in humans is encoded by the CSPG4 gene. CSPG4 plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. It represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells.

Selected Validation Data



Western blot analysis of NG2/CSPG4 using anti-NG2/CSPG4

antibody (A03394-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A375 tissue lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-NG2/CSPG4 antigen affinity purified polyclonal antibody (A03394-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NG2/CSPG4 at approximately 280,310 kDa. The expected band size for NG2/CSPG4 is at 251 kDa.