

## Basic Information

<b>Product Name</b>	Anti-NG2/CSPG4 Antibody (Clone#AOFG-3)		
<b>Gene Name</b>	CSPG4		
<b>Source</b>	Rabbit		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Species Reactivity</b>	human		
<b>Tested Application</b>	WB, IHC, FCM		
<b>Contents</b>	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.		
<b>Immunogen</b>	A synthesized peptide derived from human NG2		
<b>Concentration</b>	500 ug/ml		
<b>Purification</b>	Affinity-chromatography		
<b>Observed MW</b>	280,310 kDa		
<b>Dilution Ratios</b>	Western blot (WB):	1:500-2000	
	Immunohistochemistry (IHC):	1:50-200	
	Flow Cytometry (FCM):	1:20	

## 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-glia 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 expression in A375 cell lysate.

