

Rabbit NG2 Polyclonal Antibody | anti-NG2 antibody

NG2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31163	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

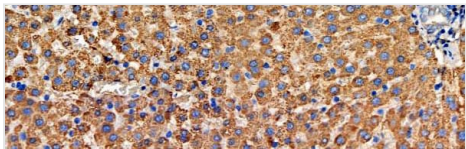
PRODUCT SYNONYMS

NG2; Polyclonal Antibody; NG2 Antibody; 4732461B14Rik; AN2; AN2 proteoglycan; Chondroitin sulfate proteoglycan 4 (melanoma-associated); Chondroitin sulfate proteoglycan 4; Chondroitin sulfate proteoglycan NG2; Cspg4; Cspg4 chondroitin sulfate proteoglycan 4; CSPG4_HUMAN; HMW-MAA; HSN tumor-specific antigen; Kiaa4232; MCSP; MCSPG; MEL-CSPG; Melanoma chondroitin sulfate proteoglycan; Melanoma-associated chondroitin sulfate proteoglycan; MELCSPG; MSK16; anti-NG2 antibody

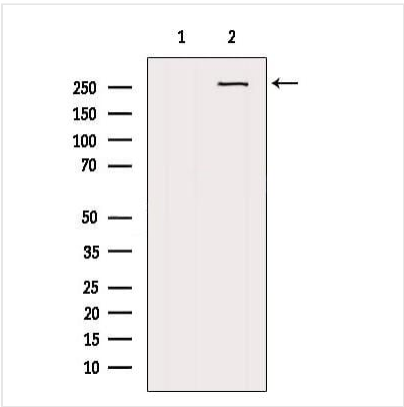
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	2322
Applicable Applications for anti-NG2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 *The optimal working dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Abin 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human NG2, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry-Paraffin)
AAA31163 at 1/100 staining Mouse pancreatic tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from Mouse lung, using NG2 Antibody. The lane on the left was treated with blocking peptide.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434468
NCBI GeneID	1464
UniProt Accession #	Q6UVK1
Molecular Weight	251 kDa , 320 kDa
NCBI Official Full Name	Chondroitin sulfate proteoglycan 4
NCBI Official Synonym Full Names	chondroitin sulfate proteoglycan 4
NCBI Official Symbol	CSPG4
NCBI Official Synonym Symbols	NG2; MCSP; MCSPG; MSK16; HMW-MAA; MEL-CSPG
NCBI Protein Information	chondroitin sulfate proteoglycan 4
UniProt Protein Name	Chondroitin sulfate proteoglycan 4
UniProt Gene Name	CSPG4
UniProt Synonym Gene Names	MCSP
UniProt Entry Name	CSPG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.