

Nur für Forschungszwecke

# NCAM1/CD56 Monoklonaler Antikörper



Katalog-Nr.: 60238-1-Ig **4 Publikationen**

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 60238-1-Ig	<b>GenBank-Zugangsnummer:</b> BC047244	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul, Konzentration: 1500 µg/ml von 4684 Nanodrop und 947 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> neural cell adhesion molecule 1	<b>CloneNo.:</b> 1E8C9
<b>Wirt:</b> Maus	<b>Berechnete Masse:</b> 95 kDa	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000 IHC 1:2000-1:8000 IF 1:200-1:800
<b>Isotyp:</b> IgG1	<b>Beobachtete Masse:</b> 140 kDa	
<b>Immunogen Katalognummer:</b> AG5732		

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : fetales humanes Hirngewebe, C6-Zellen, Hausschwein-Hirngewebe, humanes Hirngewebe IHC : humanes Lungenkarzinomgewebe, humanes Kolongewebe IF : SH-SY5Y-Zellen,
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Hausschwein, Human, Maus, Ratte	
<b>Zitierte Arten:</b> Human, Maus	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

Neural cell adhesion molecule 1 (NCAM1, also known as CD56) is a cell adhesion glycoprotein of the immunoglobulin (Ig) superfamily. It is a multifunction protein involved in synaptic plasticity, neurodevelopment, and neurogenesis. NCAM1 is expressed on human neurons, glial cells, skeletal muscle cells, NK cells and a subset of T cells, and the expression is observed in a wide variety of human tumors, including myeloma, myeloid leukemia, neuroendocrine tumors, Wilms' tumor, neuroblastoma, and NK/T cell lymphomas. Three major isoforms of NCAM1, with molecular masses of 120, 140, and 180 kDa, are generated by alternative splicing of mRNA (PMID: 9696812). The glycosylphosphatidylinositol (GPI)-anchored NCAM120 and the transmembrane NCAM140 and NCAM180 consist of five Ig-like domains and two fibronectin-type III repeats (FNIII). All three forms can be posttranslationally modified by addition of polysialic acid (PSA) (PMID: 14976519). Several other isoforms have also been described (PMID: 1856291).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Liang Gong	34761524	Small	IHC
Yan Huang	35578896	Jpn J Clin Oncol	IHC
Xianzhi Liu	35849032	Hepatology	IF

## Lagerung

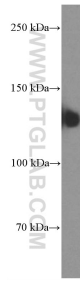
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

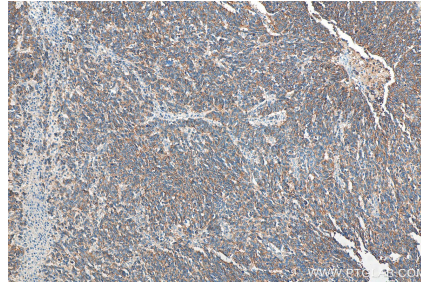
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

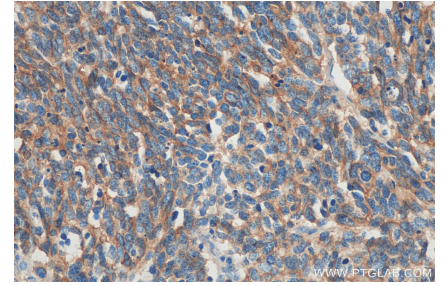
## Ausgewählte Validierungsdaten



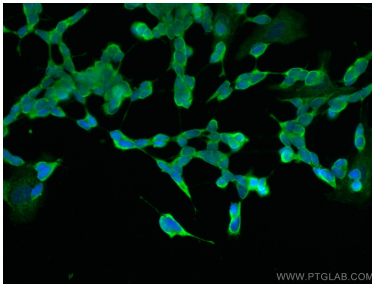
fetal human brain tissue were subjected to SDS PAGE followed by western blot with 60238-1-Ig (NCAM1/CD56 antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60238-1-Ig (NCAM1/CD56 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60238-1-Ig (NCAM1/CD56 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using NCAM1/CD56 antibody (60238-1-Ig, Clone: 1E8C9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).