

Nur für Forschungszwecke

NCAM1/CD56 Polyklonaler Antikörper



Katalog-Nr.: 14255-1-AP

Vorgestelltes Produkt

39 Publikationen

Allgemeine Informationen

Katalog-Nr.: 14255-1-AP	GenBank-Zugangsnummer: BC047244	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 700 µg/ml von Nanodrop;	GeneID (NCBI): 4684	Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:2000-1:20000
Wirt: Kaninchen	Vollständiger Name: neural cell adhesion molecule 1	
Isotyp: IgG	Berechnete Masse: 95 kDa	
Immunogen Katalognummer: AG5528	Beobachtete Masse: 120 kDa, 140 kDa, 180 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Hausschwein, Human, Maus, Ratte

Zitierte Arten:

Hausschwein, Human, Maus, Ratte

Positivkontrollen:

WB: Maushirngewebe, Hausschwein-Hirngewebe, Maus-Cerebellum-Gewebe, Rattenhirngewebe

IHC: humanes Lungenkarzinomgewebe, humanes Appendizitis-Gewebe, humanes Gliomgewebe, humanes Kolongewebe, humanes Tonsillitisgewebe, Insulinomgewebe, Maushirngewebe, Rattenhirngewebe

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

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
Yanping Li	36213822	J Oncol	IF
Shaolong Li	30264546	Cancer Sci	IHC
Ashley Gillon	26385499	Biogerontology	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

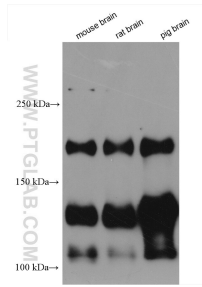
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

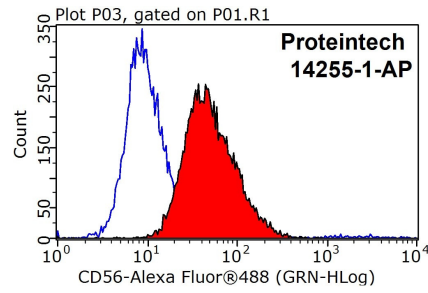
E: proteintech@ptglab.com
W: ptglab.com

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

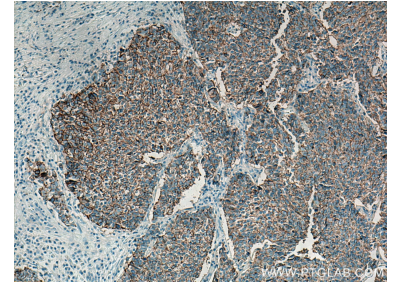
Ausgewählte Validierungsdaten



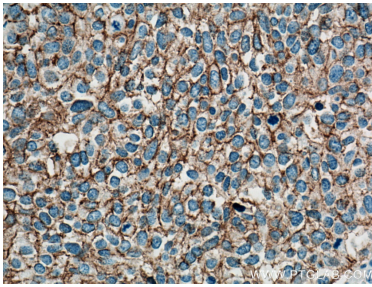
Various lysates were subjected to SDS PAGE followed by western blot with 14255-1-AP (NCAM1/CD56 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



1X10⁶ SH-SY5Y cells were stained with 0.2ug NCAM1/CD56 antibody (14255-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded human small cell lung carcinoma tissue slide using 14255-1-AP (NCAM1/CD56 antibody) at dilution of 1:16000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small cell lung carcinoma slide using 14255-1-AP (NCAM1/CD56 antibody) at dilution of 1:16000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).