

Allgemeine Informationen

Katalog-Nr.: 60224-1-Ig	GenBank-Zugangsnummer: BC004372	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul , Konzentration: 1600 µg/ml von960 Nanodrop und 1273 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: CD44 molecule (Indian blood group)	CloneNo.: 6F4H2 Empfohlene Verdünnungen: WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Maus	Berechnete Masse: 742 aa, 82 kDa	
Isotyp: IgG2a	Beobachtete Masse: 80-95 kDa	
Immunogen Katalognummer: AG7633		

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

Getestete Reaktivität:

Hausschwein, Human

Zitierte Arten:

Hausschwein, Human, Kaninchen, Maus, Ratte

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

Positivkontrollen:

WB : MDA-MB-231-Zellen, A549-Zellen, Hausschwein-Milzgewebe, HeLa-Zellen, humanes Milzgewebe, HUVEC-Zellen, U-251-Zellen

IHC : humanes Lungenkarzinomgewebe, humanes Mammakarzinomgewebe, humanes Ösophaguskarzinomgewebe, humanes Tonsillitisgewebe

IF : humanes Lungenkarzinomgewebe,

Hintergrundinformationen

CD44 is a type I transmembrane glycoprotein that mediates cell-cell and cell-matrix interactions through its affinity for hyaluronic acid (HA) and possibly also through its affinity for other ligands. Adhesion with HA plays an important role in cell migration, tumor growth and progression. CD44 is also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. This protein exists in multiple forms (with molecular weight ranging from 16 kDa to over 200 kDa) generated by alternative RNA splicing and extensive post-translational modifications.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hongying Chen	34702291	J Nanobiotechnology	WB
Yuan Cao	31448319	Adv Mater Technol	IF
Yilu Qin	33511005	Adv Sci (Weinh)	IHC,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**

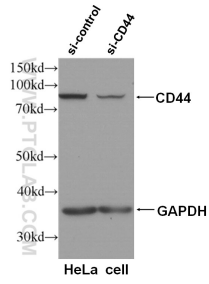
For technical support and original validation data for this product please contact:

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

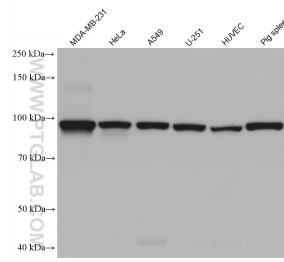
E: proteintech@ptglab.com
W: ptglab.com

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

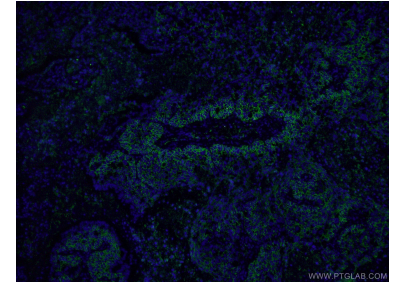
Ausgewählte Validierungsdaten



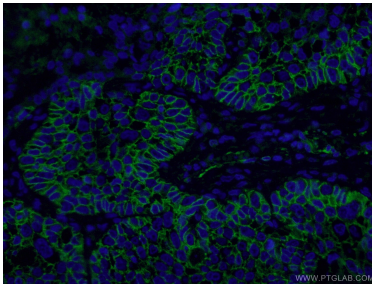
WB result of CD44 antibody (60224-1-Ig, 1:4000) with si-Control and si-CD44 transfected HeLa cells.



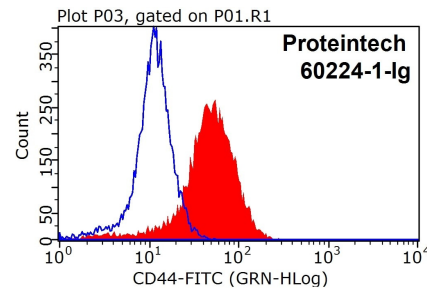
Various lysates were subjected to SDS PAGE followed by western blot with 60224-1-Ig (CD44 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



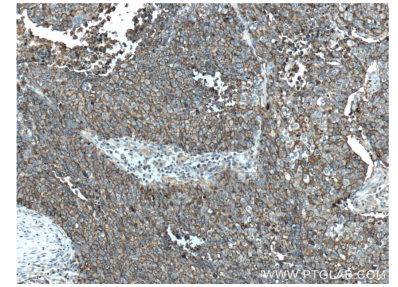
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using 60224-1-Ig (CD44 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



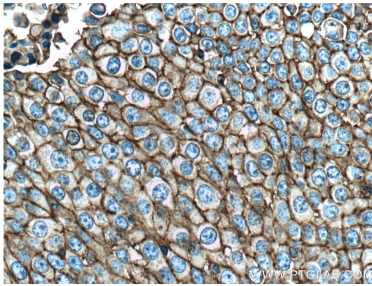
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using 60224-1-Ig (CD44 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10⁶ Raji cells were stained with 0.2ug CD44 antibody (60224-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). FITC-Goat anti-mouse IgG with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (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 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).