

For Research Use Only

CD44 Monoclonal antibody, PBS Only

Catalog Number: 60224-1-PBS

Featured Product



Basic Information

Catalog Number:

60224-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7633

GenBank Accession Number:

BC004372

GeneID (NCBI):

960

ENSEMBL Gene ID:

ENSG00000026508

UNIPROT ID:

P16070

Full Name:

CD44 molecule (Indian blood group)

Calculated MW:

742 aa, 82 kDa

Observed MW:

80-95 kDa

Purification Method:

Protein A purification

CloneNo.:

6F4H2

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Species Specificity:

human, pig

Background Information

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.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

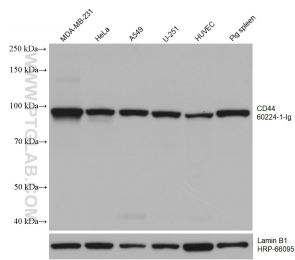
For technical support and original validation data for this product please contact:

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

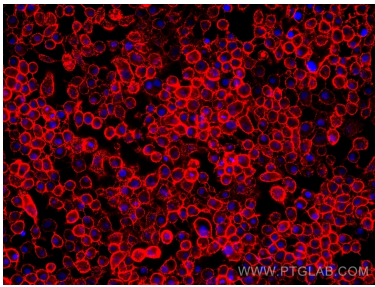
E: proteintech@ptglab.com
W: ptglab.com

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

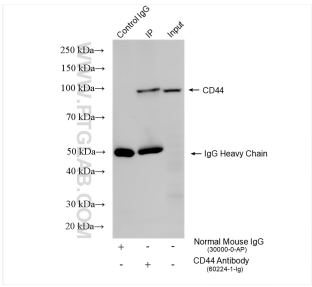
Selected Validation Data



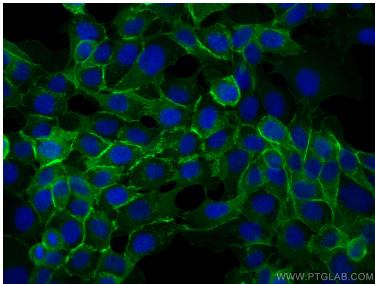
Various lysates were subjected to SDS PAGE followed by western blot with 60224-1-Ig (CD44 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control. This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



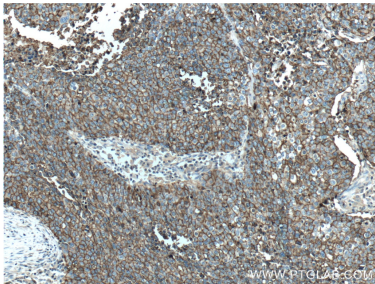
Immunofluorescent analysis of un-fixed A431 cells using CD44 antibody (60224-1-Ig, Clone: 6F4H2) at dilution of 1:1800 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



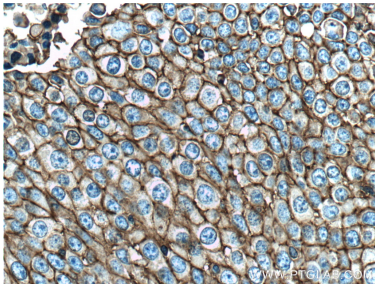
IP result of anti-CD44 (IP:60224-1-Ig, 4ug; Detection:60224-1-Ig 1:3000) with HeLa cells lysate 1280 ug. This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



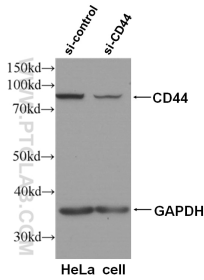
Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CD44 antibody (60224-1-Ig, Clone: 6F4H2) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



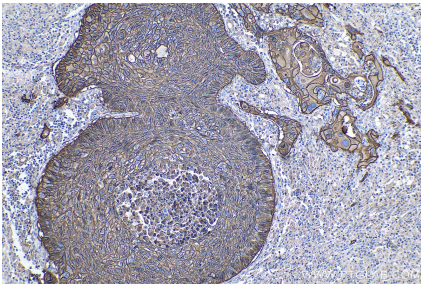
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



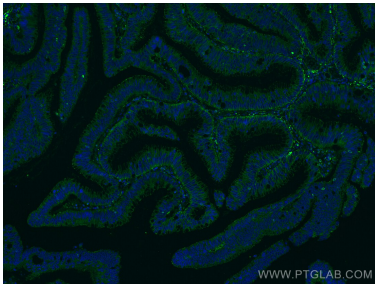
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 Antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



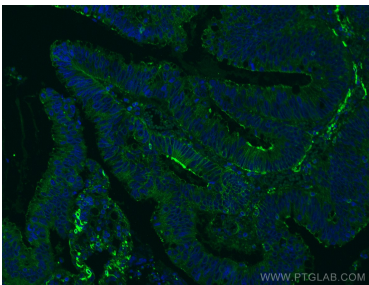
WB result of CD44 antibody (60224-1-Ig, 1:4000) with si-Control and si-CD44 transfected HeLa cells. This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 60224-1-Ig (CD44 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon cancer tissue using CD44 antibody (60224-1-Ig, Clone: 6F4H2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human colon cancer tissue using CD44 antibody (60224-1-Ig, Clone: 6F4H2) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60224-1-PBS in a different storage buffer formulation.