

À des fins de recherche uniquement

Anticorps Monoclonal anti-CD9

Numéro de catalogue: 60232-1-Ig

Phare

63 Publications



Informations de base

Numéro de catalogue: 60232-1-Ig	Numéro d'acquisition GenBank: BC011988	Méthode de purification: Purification par protéine G
Taille: 150ul , Concentration: 1500 µg/ml by Nanodrop;	Identification du gène (NCBI): 928	CloneNo.: 4H7B9
Hôte: Mouse	Nom complet: CD9 molecule	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG1	MW calculé: 228 aa, 25 kDa	
Immunogen Catalog Number: AG14529	MW observés: 23-27 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, PLA, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A375, cellules A431, cellules A549, cellules HeLa, cellules HepG2, cellules L02

IHC : tissu de tumeur ovarienne humain, tissu d'amygdalite humain, tissu de cancer du côlon humain, tissu de cancer du sein humain

IF : tissu de cancer du sein humain, tissu de tumeur ovarienne humain

Informations générales

The cell-surface molecule CD9, a member of the transmembrane-4 superfamily, interacts with the integrin family and other membrane proteins, and is postulated to participate in cell migration and adhesion. Expression of CD9 enhances membrane fusion between muscle cells and promotes viral infection in some cells (PMID:10459022). It is often used as a mesenchymal stem cell marker (PMID:18005405). CD9 is also known as the p24 antigen besides MIC3, TSPAN29 because it is a protein of molecular weight 24 kD. The CD9 antigen appears to be a 227-amino acid molecule with 4 hydrophobic domains and 1 N-glycosylation site.

Publications notables

Autrice	Pubmed ID	Journal	Application
Kosuke Otani	31561474	Int J Mol Sci	WB
Na-Na Sun	34483252	Chin Med J (Engl)	WB
Zhi-Hong Zong	31666098	J Exp Clin Cancer Res	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

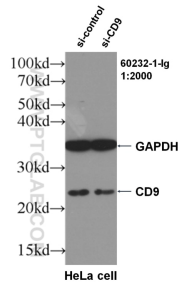
For technical support and original validation data for this product please contact:

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

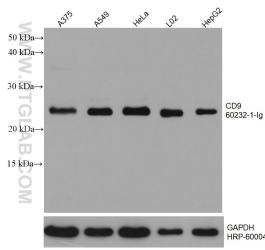
E: proteintech@ptglab.com
W: ptglab.com

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

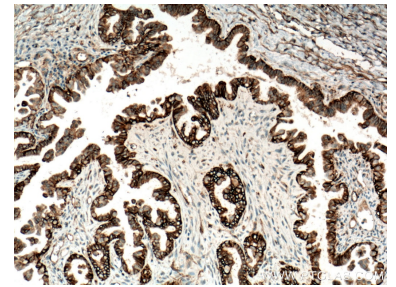
Données de validation sélectionnées



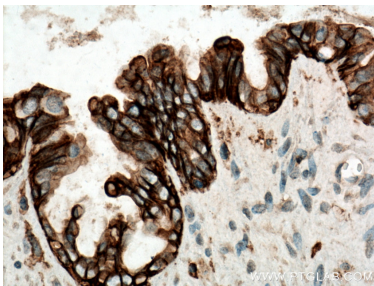
WB result of CD9 antibody (60232-1-Ig, 1:2000) with si-Control and si-CD9 transfected HeLa cells.



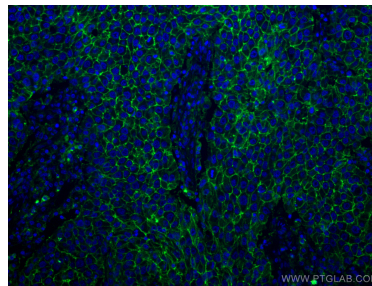
Various lysates were subjected to SDS PAGE followed by western blot with 60232-1-Ig (CD9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



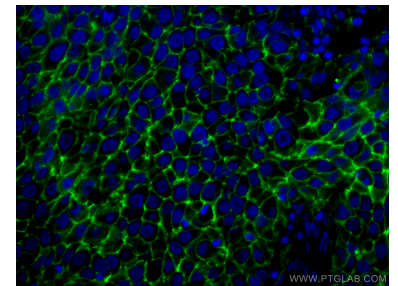
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60232-1-Ig (CD9 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



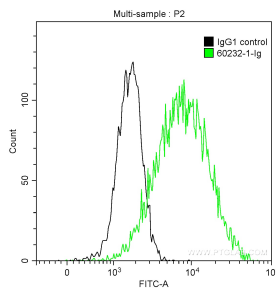
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 60232-1-Ig (CD9 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



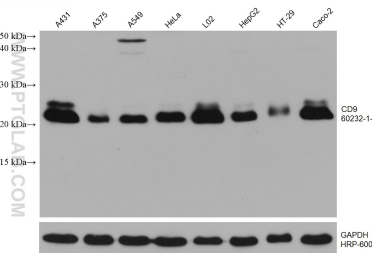
Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD9 antibody (60232-1-Ig, Clone: 4H7B9) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CD9 antibody (60232-1-Ig, Clone: 4H7B9) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10⁶ HeLa cells were stained with 0.2 ug Anti-Human CD9 (60232-1-Ig, Clone:4H7B9) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or 0.2 ug isotype control (black). Cells were fixed with 4% PFA.



Various lysates were subjected to SDS PAGE followed by western blot with 60232-1-Ig (CD9 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.