

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-VE-cadherin



Numéro de catalogue: 27956-1-AP

5 Publications

## Informations de base

Numéro de catalogue: 27956-1-AP	Numéro d'acquisition GenBank: NM_001795	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 1003	Dilutions recommandées: WB 1:1000-1:4000 IHC 1:200-1:800
Hôte: Lapin	Nom complet: cadherin 5, type 2 (vascular endothelium)	
Isotype: IgG	MW calculé 88 kDa	
Immunogen Catalog Number: AG27487	MW observés: 120-140 kDa	

## Applications

Applications testées:  
FC, IHC, WB, ELISA

Demandes citées:  
IF, WB

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain

Contrôles positifs:

WB : cellules HUVEC, tissu placentaire humain

IHC : tissu placentaire humain, tissu de cancer du poumon humain, tissu de cancer du sein 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.**

## Informations générales

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. Vascular endothelial cadherin (VE-cadherin), also known as Cadherin-5 (CDH5) or CD144, is a member of the type II classical cadherin family of cell adhesion proteins (PMID: 21269602). VE-cadherin is expressed specifically in endothelial cells and mediates homophilic adhesion in the vascular endothelium (PMID: 1522121; 8555485; 21269602). VE-cadherin plays a role in the organization of lateral endothelial junctions and in the control of permeability properties of vascular endothelium (PMID: 1522121). VE-cadherin has also been shown to be required for angiogenesis (PMID: 16473763; 18162609). The calculated molecular weight of VE-cadherin is 88 kDa and the apparent molecular weight of 120-140 kDa is higher due to post-translational glycosylation and phosphorylation (PMID: 10460833; 29894844). Full-length VE-cadherin can be proteolytically cleaved to generate a fragment of 90-100 kDa (PMID: 9786462; 22064597).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Pengwei Deng	36354579	Bioengineering (Basel)	IF
Xiang-Hua Yu	36321394	Oral Dis	IF
Zhaoke Wu	35155276	Front Cell Infect Microbiol	WB

## Stockage

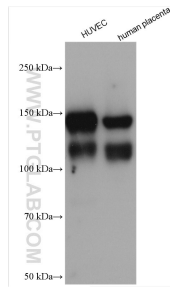
Stockage:  
Stocker à -20°C. Stable pendant un an après l'expédition.  
Tampon de stockage:  
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3  
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

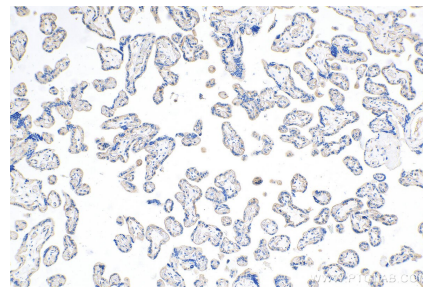
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

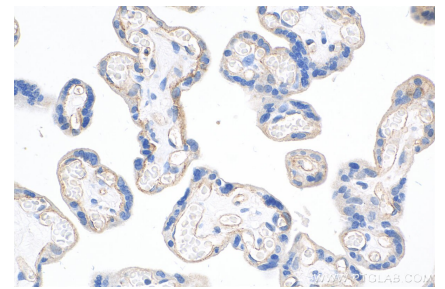
## Données de validation sélectionnées



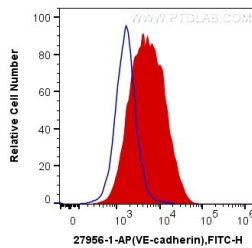
Various lysates were subjected to SDS PAGE followed by western blot with 27956-1-AP (VE-cadherin antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 27956-1-AP (VE-cadherin 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 placenta tissue slide using 27956-1-AP (VE-cadherin antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HUVEC cells were surface stained with 0.4 ug Anti-Human VE-cadherin (27956-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed.