À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-E-cadherin

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:20874-1-AP Phare 1543 Publications

Informations de base

Numéro de catalogue:
20874-1-AP

Taille:
150ul , Concentration: 700 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG14973

Numéro d'acquisition GenBank:
BC141838

Identification du gène (NCBI):
999

Nom complet:
cadherin 1, type 1, E-cadherin (epithelial)

MW calculé
882 aa, 97 kDa

MW observés:
120-125 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:20000-1:100000
IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
IHC 1:5000-1:20000
IF 1:200-1:800

Applications

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

Demandes citées:
CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
bovin, canin, Humain, poisson-zèbre, porc, rat, souris

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 A431, cellules DU 145, cellules HCT 116, cellules MCF-7, cellules T-47D, tissu testiculaire de souris

IP : cellules A431,

IHC : tissu de côlon de souris, tissu cutané de souris, tissu de cancer de la prostate humain, tissu de cancer du sein humain, tissu de côlon humain

IF : cellules MCF-7, cellules A431, tissu de cancer du sein humain, tissu d'intestin grêle de souris, tissu embryonnaire de souris

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. E-cadherin (epithelial cadherin), also known as CDH1 (cadherin 1) or CAM 120/80, is a classical member of the cadherin superfamily which also include N-, P-, R-, and B-cadherins. It has been regarded as a marker for spermatogonial stem cells in mice(PMID:23509752). E-cadherin is expressed on the cell surface in most epithelial tissues. The extracellular region of E-cadherin establishes calcium-dependent homophilic trans binding, providing specific interaction with adjacent cells, while the cytoplasmic domain is connected to the actin cytoskeleton through the interaction with p120-, α-, β-, and γ-catenin (plakoglobin). E-cadherin is important in the maintenance of the epithelial integrity, and is involved in mechanisms regulating proliferation, differentiation, and survival of epithelial cell. E-cadherin may also play a role in tumorigenesis. It is considered to be an invasion suppressor protein and its loss is an indicator of high tumor aggressiveness. E-cadherin is sensitive to trypsin digestion in the absence of Ca2+. This polyclonal antibody recognizes 120-125 kDa intact E-cadherin and its cleaved fragments of 80-120 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Xia Peng	36247281	Am J Transl Res	WB
Wenzhong Peng	36274350	Tissue Cell	WB
Ji Xing	36230734	Cancers (Basel)	WB

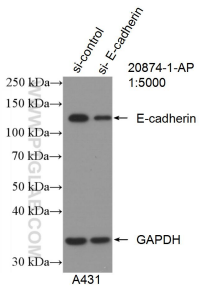
Stockage

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

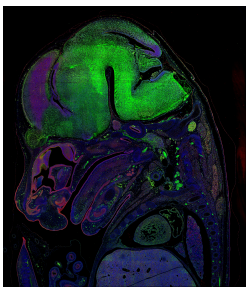
*** Les 20ul contiennent 0,1% de BSA.

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

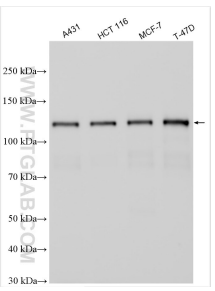
Données de validation sélectionnées



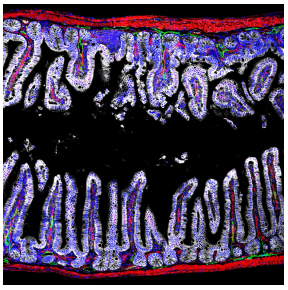
WB result of E-cadherin antibody (20874-1-AP; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-E-cadherin transfected A431 cells.



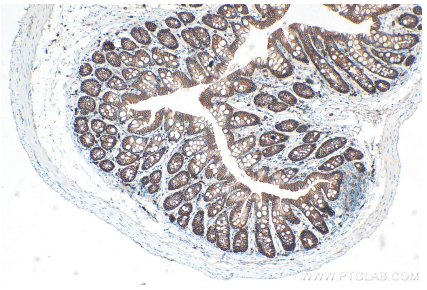
E14.5 FFPE mouse embryo section stained for E-cadherin (red, Cat. No 20874-1-AP) and alpha tubulin (green, Cat. CL488-66031). Image credit: @Immunofluorescence on Instagram



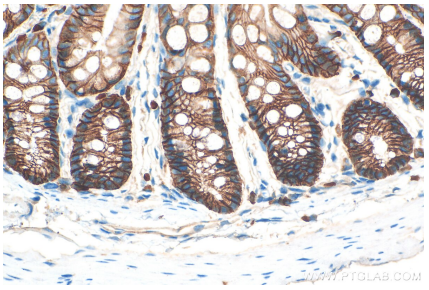
Various lysates were subjected to SDS PAGE followed by western blot with 20874-1-AP (E-cadherin antibody) at dilution of 1:70000 incubated at room temperature for 1.5 hours.



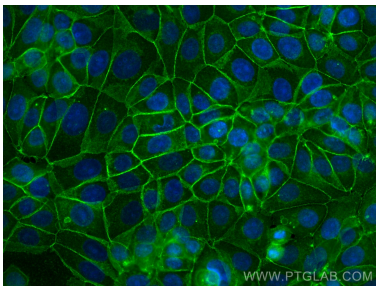
FFPE adult mouse small intestine stained for E-cadherin (white, 20874-1-AP5), LYVE1 (green), and alpha-smooth muscle actin (red). E-cadherin marks intestinal epithelial cells, which regulate nutrient absorption. LYVE1 stains gut lymphatics, which absorb fat. Alpha-smooth muscle actin stains perivascular smooth muscle cells and the surrounding smooth muscle, which help propel food in the gut. Image credit: @Immunofluorescence on Instagram.



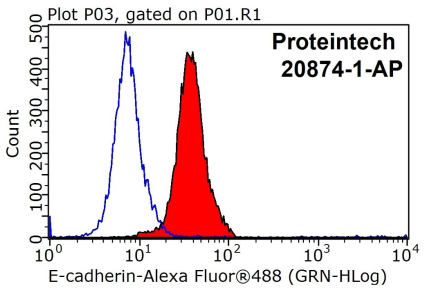
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20874-1-AP (E-cadherin antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



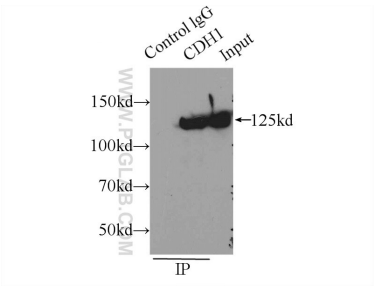
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 20874-1-AP (E-cadherin antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using E-cadherin antibody (20874-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HepG2 cells were stained with .2ug E-cadherin antibody (20874-1-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.



IP Result of anti-E-cadherin (IP:20874-1-AP, 3ug; Detection:20874-1-AP 1:1000) with A431 cells lysate 3000ug.