

# N-cadherin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 79 and 387 of Human N-cadherin
Form	Liquid
Concentration	0.19 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 1% BSA, 20% glycerol
Contains	0.025% Proclin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2547046

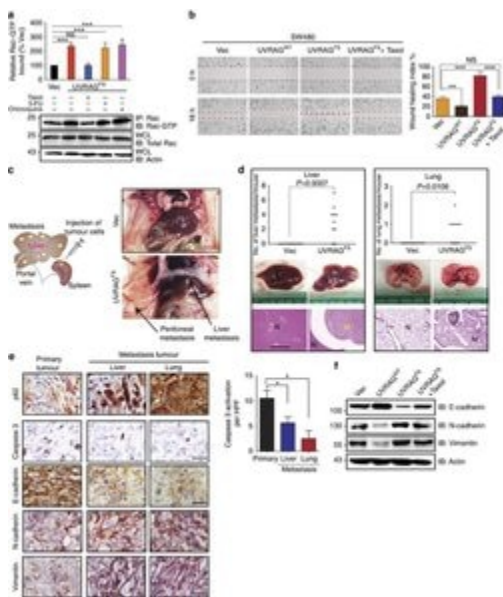
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	1 Publication
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

Recommended positive controls: NT2D1, U87-MG, SK-N-SH, IMR-32, SK-N-AS, mouse brain, rat brain, PC-12, Rat2.

Predicted reactivity: Mouse (95%), Rat (95%), Xenopus laevis (85%), Dog (96%), Chicken (91%), Bovine (96%).

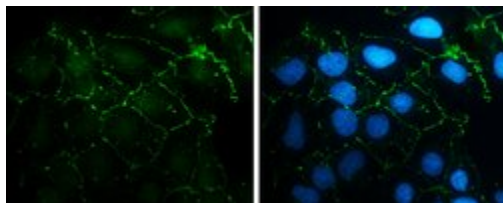
Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.



### N-cadherin Antibody (PA5-29570)

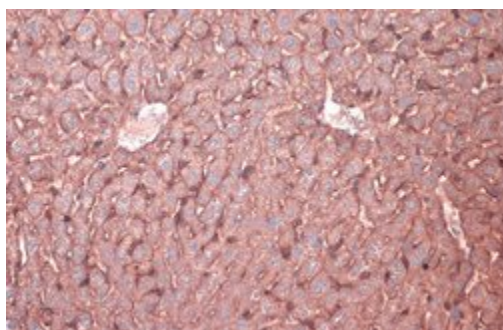
Figure 5 UVRAG FS activates Rac-1 and promotes tumour metastasis in vitro and vivo . ( a ) Rac-1 activation by UVRAG FS . Western blot shows a pull-down experiment to detect GTP-bound Rac1 in SW480.UVRAG FS cells and on drug treatment. Histogram shows quantification from three independent experiments. ( b ) Representative images of scratch-wound healing exhibit the motility of SW480.UVRAG FS cells. Cell motility into the wound area was taken at 0 and 16 h as marked by red lines. Wound-healing index was quantified (right). Data are the means+s.d. ( n =3). \*\* P <0.01; \*\*\* P <0.001; NS, not significant. Histogram shows quantification from three independent experiments. ( c , d ) UVRAG FS enhances tumour metastasis in mice inoculated by intrasplenic injection of SW480.Vector and SW480.UVRAG FS cells. Schematic depiction of the procedure ( c , left) and representative images ( c , right) of upper abdominal organs at 8-week post-injection are shown ( c ). The number of metastatic nodules (liver and lung) was quantified ( d ). H&E staining was performed on serial sections of metastatic tumours (M) and normal (N) liver and lung are shown below. Scale bar, 1 mm. Arrows in c represent the metastasis foci. Results are representative of 10 mice per group. Fisher's exact test was used. ( e ) Immunohistochemistry analysis of autophagy, apoptosis and EMT status of primary tumours (left panel) and metastasis nodules (right panel). The bar graphs represent the quantification of the indicated Cell treatment validation info.

### Product Images For N-cadherin Polyclonal Antibody



#### N-cadherin Antibody (PA5-29570) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of N-cadherin was performed in NT2D1 cells fixed in 4% paraformaldehyde at RT for 15 min. Green: N-cadherin Polyclonal Antibody (Product # PA5-29570) diluted at 1:500. Blue: Hoechst 33342 staining.



#### N-cadherin Antibody (PA5-29570) in IHC (P)

Immunohistochemistry (Paraffin) analysis of N-cadherin was performed in paraffin-embedded mouse liver tissue using N-cadherin Polyclonal Antibody (Product # PA5-29570) at a dilution of 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.

View more figures on [thermofisher.com](http://thermofisher.com)

## 4 References

### Western Blot (1)

Nature communications

#### Truncating mutation in the autophagy gene UVRAG confers oncogenic properties and chemosensitivity in colorectal cancers.

"PA5-29570 was used in immunohistochemistry to study the role of autophagy factors in cancer progression and treatment response"

Authors: He S,Zhao Z,Yang Y,O'Connell D,Zhang X,Oh S,Ma B,Lee JH,Zhang T,Varghese B,Yip J,Dolatshahi Pirooz S, Li M,Zhang Y,Li GM,Ellen Martin S,Machida K,Liang C

Species  
Human

Dilution  
1:1000

Year  
2015

### Immunohistochemistry (2)

Nature communications

#### A truncating mutation in the autophagy gene UVRAG drives inflammation and tumorigenesis in mice.

"Published figure using N-cadherin polyclonal antibody (Product # PA5-29570) in Immunohistochemistry"

Authors: Quach C,Song Y,Guo H,Li S,Maazi H,Fung M,Sands N,O'Connell D,Restrepo-Vassalli S,Chai B,Nemecio D, Punj V,Akbari O,Idos GE,Mumenthaler SM,Wu N,Martin SE,Hagiya A,Hicks J,Cui H,Liang C

Species  
Not Applicable

Dilution  
Not Cited

Year  
2019

Nature communications

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Dilution  
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### Miscellaneous PubMed (1)

Nature communications

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Dilution  
1:1000

Year  
2015

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