



Qty: 100 µg/200 µl

Mouse anti-P-Cadherin

Catalog No. 32-4000

Lot No. See product label

Mouse anti-P-Cadherin

FORM

This monoclonal antibody is supplied as a 200 µl aliquot at a concentration of 0.5 mg/ml in phosphate buffered saline, pH 7.4, containing 0.1% sodium azide (NaN₃). The antibody is purified from mouse ascites fluid.

CLONE: 12H6

ISOTYPE: IgG₁

IMMUNOGEN

Human P-Cadherin fusion protein.

SPECIFICITY

This antibody reacts with human P-Cadherin protein. No cross reactivity has been observed with human E-Cadherin and N-Cadherin.

REACTIVITY

SAMPLE	ELISA	IHC (frozen tissue)	Immuno-precipitation	Western Blotting	Immuno-fluorescence
Human	nt	nt	nt	+++	+++

nt: not tested

USAGE

Working concentrations for specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature and length of incubations, etc. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western Blotting: 1-3 µg/ml

Immunofluorescence: 2-10 µg/ml

STORAGE

Store at 2-8°C for up to one month. Store at -20°C for long term storage. Avoid repeated freezing and thawing.

(cont'd)

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BACKGROUND

P-cadherin is a 120 kDa Ca^{2+} -dependent cell adhesion molecule, which appears to be expressed in cells having high growth activity and/or high differentiation potential. In the early mouse embryo, P-cadherin has been detected in the extra-embryonic ectoderm, visceral endoderm, lateral plate mesoderm, and notocord. In the late embryo, P-cadherin is detected in the placenta, epidermis and other epithelial tissues, the pigmented retina, and the mesothelium.

P-cadherin displays a rather unique distribution pattern in human tissues in that its expression is not detected in placental tissue. In humans, expression is restricted to epithelial tissues where it appears to be restricted to the basal or lower layers of stratified epithelia.

REFERENCES

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6. Rasbridge, S.A., et al; *J. Pathol.* 169:245-250 (1993).
7. Doki, Y.; *Cancer Research* 53:3421-3426 (1993).
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10. Hodivala, K.J.; *Cell Biol.* 124(4):589-600 (1994).

RELATED PRODUCTS

Product	Conjugate	Cat. No.
Ms x E-Cadherin	4A2C7	33-4000
Ms x E-Cadherin	HECD-1	13-1700
Ms x E-Cadherin	SHE78-7	13-5700
Rt x E-Cadherin	ECCD-1	13-1800
Rt x E-Cadherin	ECCD-2	13-1900
Rt x N-Cadherin	NCD-2	13-2100
Ms x N-Cadherin	3B9	33-3900
Rt x P-Cadherin	PCD-1	13-2000
Rb x pan-Cadherin	ZyPC7	71-7100
E-Cadherin ELISA Kit (42 test)	Kit	99-1700
Ms x α -Cadherin	α CAT-7A4	13-9700
Rb x α -Cadherin	ZER2	71-1200
Ms x β -Catenin	CAT-5H10	13-8400
Ms x γ -Catenin	PG-11E4	13-8500
Ms x p120 ^{cas}	15D2	33-9600
Rb x β -Catenin	CAT-15	71-2700
Goat anti-Mouse IgG (H+L) (ZyMAX™ Grade)	Purified	81-6500
	FITC	81-6511
	TRITC	81-6514
	Cy™3	81-6515
	Cy™5	81-6516
	HRP	81-6520
	AP	81-6522
	Biotin	81-6540
Protein A	Sepharose® 4B	10-1041
rec-Protein G	Sepharose® 4B	10-1241

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