

P-Cadherin Rabbit Polyclonal Antibody

Catalog #: EAB13080

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IHC-P, IF, ELISA	91	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IHC-P (Immunohistochemistry-Paraffin)	1:50-300
IF (Immunofluorescence)	1:50-300
ELISA (Enzyme-linked Immunosorbent Assay)	1:5000-20000

Product Information

Conjugate	Unconjugate
Specificity	P-Cadherin Rabbit Polyclonal Antibody detects endogenous levels of P-Cadherin protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
UniProt ID	P22223
Entrez-Gene ID	1001

Product Description

P-cadherin, also known as Cadherin-3, is a Type 1 cadherin protein that belongs to the cadherin superfamily. Type 1 cadherins are single-pass transmembrane proteins that have 5 extracellular cadherin repeats and an intracellular domain that binds p120-catenin and beta-catenin. Cadherins are calcium-dependent cell-cell adhesion glycoproteins responsible for a range of processes including development, wound healing, cell-cell signaling, cell growth and differentiation. P-cadherin is expressed in human fetal structures, and in adult tissues such as the basal layer of the epidermis, breast, prostate, ovary, cervix, hair follicle, and corneal endothelium. P-cadherin expression has also been reported on embryonic stem cells, and stem cells of the normal mammary gland, and hair follicle. Overexpression of P-cadherin has been associated with poor prognosis in breast, prostate, ovary, colon, and stomach carcinomas. Mutations in CDH3 are associated with congenital hypotrichosis with juvenile macular dystrophy.

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