# **Product Name: CDH3 Rabbit Polyclonal Antibody**

Catalog #: APRab08539



# **Summary**

Production Name CDH3 Rabbit Polyclonal Antibody

**Description** Rabbit Polyclonal Antibody

Host Rabbit
Application WB

**Reactivity** Human, Mouse, Rat

#### **Performance**

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

## **Immunogen**

Gene Name CDH3 CDHP

Alternative Names Cadherin-3 (Placental cadherin) (P-cadherin)

**Gene ID** 1001.0

SwissProt ID P22223.Synthesized peptide derived from human CDH3 Polyclonal

# **Application**

**Dilution Ratio** WB 1:500-2000, ELISA 1:10000-20000

Molecular Weight 120kD

## **Background**

This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature

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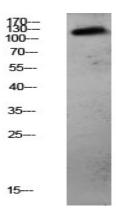


glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene are associated with hypotrichosis with juvenile macular dystrophy and ectodermal dysplasia, ectrodactyly, and macular dystrophy syndrome (EEMS). [provided by RefSeq, Nov 2015], disease: Defects in CDH3 are the cause of ectodermal dysplasia with ectrodactyly and macular dystrophy (EEM) [MIM:225280]; also known as EEM syndrome, Albrectsen-Svendsen syndrome or Ohdo-Hirayama-Terawaki syndrome. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EEM is an autosomal recessive condition characterized by features of ectodermal dysplasia such as sparse eyebrows and scalp hair, and selective tooth agenesis associated with macular dystrophy and ectrodactyly, disease: Defects in CDH3 are the cause of hypotrichosis with juvenile macular dystrophy (HJMD) [MIM:601553]. HJMD is a rare autosomal recessive disorder characterized by early hair loss heralding severe degenerative changes of the retinal macula and culminating in blindness during the second to third decade of life., function: Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types., online information: Retina International's Scientific Newsletter, similarity: Contains 5 cadherin domains., subunit: Interacts with CDCP1., tissue specificity: Expressed in some normal epithelial tissues and in some carcinoma cell lines.,

#### Research Area

Cell adhesion molecules (CAMs);

### **Image Data**



Western blot analysis of mouse-liver lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000

#### Note

For research use only.