

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

Rat Anti-Mouse Uvomorulin/E-Cadherin Monoclonal Antibody, Unconjugated, Clone DECMA-1

RRID:AB_477600

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# U3254, RRID:AB_477600

Antibody Information

URL: http://antibodyregistry.org/AB_477600

Proper Citation: Sigma-Aldrich Cat# U3254, RRID:AB_477600

Target Antigen: Uvomorulin / E-Cadherin

Host Organism: rat

Clonality: monoclonal

Comments: Vendor recommendations: Functional Assay; Immunofluorescence; Immunohistochemistry; Immunoprecipitation; Western Blot; Indirect Immunofluorescence, Immunohistochemistry (Frozen sections), Immunoprecipitation, Western Blot, Functional assay

Antibody Name: Rat Anti-Mouse Uvomorulin/E-Cadherin Monoclonal Antibody, Unconjugated, Clone DECMA-1

Description: This monoclonal targets Uvomorulin / E-Cadherin

Target Organism: canine, mouse, bovine, human

Clone ID: Clone DECMA-1

Defining Citation: [PMID:22847514](#)

Antibody ID: AB_477600

Vendor: Sigma-Aldrich

Catalog Number: U3254

Record Creation Time: 20250819T213723+0000

Record Last Update: 20250819T233346+0000

Ratings and Alerts

No rating or validation information has been found for Rat Anti-Mouse Uvomorulin/E-Cadherin Monoclonal Antibody, Unconjugated, Clone DECMA-1.

No alerts have been found for Rat Anti-Mouse Uvomorulin/E-Cadherin Monoclonal Antibody, Unconjugated, Clone DECMA-1.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 22 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Hernández-Martínez R, et al. (2026) AXIN1 and AXIN2 regulate the WNT-signaling landscape to promote distinct mesoderm programs. *Developmental cell*, 61(7), 1572.

Formstone CJ, et al. (2026) A novel, PCP-dependent tissue organising principle coordinating morphogenesis between embryonic skin epidermal layers. *Journal of anatomy*.

Lemmetyinen TT, et al. (2024) Mesenchymal GDNF promotes intestinal enterochromaffin cell differentiation. *iScience*, 27(12), 111246.

Darrigrand JF, et al. (2024) Acinar-ductal cell rearrangement drives branching morphogenesis of the murine pancreas in an IGF/PI3K-dependent manner. *Developmental cell*, 59(3), 326.

Edri S, et al. (2024) 3D model of mouse embryonic pancreas and endocrine compartment using stem cell-derived mesoderm and pancreatic progenitors. *iScience*, 27(6), 109959.

Ling C, et al. (2023) Rebalancing of mitochondrial homeostasis through an NAD⁺-SIRT1 pathway preserves intestinal barrier function in severe malnutrition. *EBioMedicine*, 96, 104809.

Gredler ML, et al. (2023) Multicellular rosettes link mesenchymal-epithelial transition to radial intercalation in the mouse axial mesoderm. *Developmental cell*, 58(11), 933.

Maeda K, et al. (2022) Depletion of the apical endosome in response to viruses and bacterial toxins provides cell-autonomous host defense at mucosal surfaces. *Cell host & microbe*, 30(2), 216.

Gu Y, et al. (2022) Transmembrane protein KIRREL1 regulates Hippo signaling via a feedback loop and represents a therapeutic target in YAP/TAZ-active cancers. *Cell reports*, 40(9), 111296.

Morgani SM, et al. (2021) The transcription factor Rreb1 regulates epithelial architecture, invasiveness, and vasculogenesis in early mouse embryos. *eLife*, 10.

Cozzitorto C, et al. (2020) A Specialized Niche in the Pancreatic Microenvironment Promotes Endocrine Differentiation. *Developmental cell*, 55(2), 150.

Saitou M, et al. (2020) Functional Specialization of Human Salivary Glands and Origins of Proteins Intrinsic to Human Saliva. *Cell reports*, 33(7), 108402.

Kim E, et al. (2019) Isl1 Regulation of Nkx2.1 in the Early Foregut Epithelium Is Required for Trachea-Esophageal Separation and Lung Lobation. *Developmental cell*, 51(6), 675.

Hayward AN, et al. (2019) A toolkit for studying cell surface shedding of diverse transmembrane receptors. *eLife*, 8.

Malaguti M, et al. (2019) Id1 Stabilizes Epiblast Identity by Sensing Delays in Nodal Activation and Adjusting the Timing of Differentiation. *Developmental cell*, 50(4), 462.

Menchero S, et al. (2019) Transitions in cell potency during early mouse development are driven by Notch. *eLife*, 8.

Otsu W, et al. (2019) The Late Endosomal Pathway Regulates the Ciliary Targeting of Tetraspanin Protein Peripherin 2. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 39(18), 3376.

Kim IJ, et al. (2018) Helicobacter pylori Infection Modulates Host Cell Metabolism through VacA-Dependent Inhibition of mTORC1. *Cell host & microbe*, 23(5), 583.

Collins TN, et al. (2018) Crk proteins transduce FGF signaling to promote lens fiber cell elongation. *eLife*, 7.

Senft AD, et al. (2018) Combinatorial Smad2/3 Activities Downstream of Nodal Signaling Maintain Embryonic/Extra-Embryonic Cell Identities during Lineage Priming. *Cell reports*, 24(8), 1977.