

**Anti-ECRG4 Antibody**  
**Catalog # AP54026****Specification**

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**Anti-ECRG4 Antibody - Product Information**

Application	WB, IF, IHC
Primary Accession	<a href="#">Q9H1Z8</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17183

**Anti-ECRG4 Antibody - Additional Information****Gene ID** 84417**Other Names**

ECRG4; Augurin; Esophageal cancer-related gene 4 protein

**Target/Specificity**

Recognizes endogenous levels of ECRG4 protein.

**Dilution**

WB~~1/500 - 1/1000

IF~~1/50 - 1/200

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Anti-ECRG4 Antibody - Protein Information****Name** ECRG4 ([HGNC:24642](#))**Synonyms** C2orf40**Function**

Probable hormone that may attenuate cell proliferation and induce senescence of oligodendrocyte and neural precursor cells in the central nervous system (By similarity). ECRG4-induced senescence is characterized by G1 arrest, RB1 dephosphorylation and accelerated CCND1 and CCND3 proteasomal degradation (By similarity).

**Cellular Location**

Secreted. Cytoplasm. Apical cell membrane

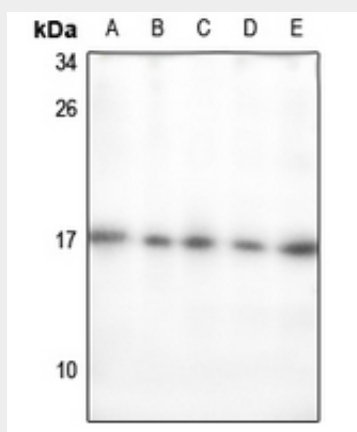
**Tissue Location**

Expressed in the brain, with expression in the epithelial cell layer of the choroid plexus (at protein level)

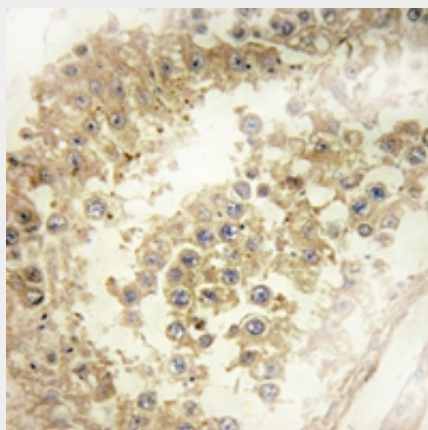
**Anti-ECRG4 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

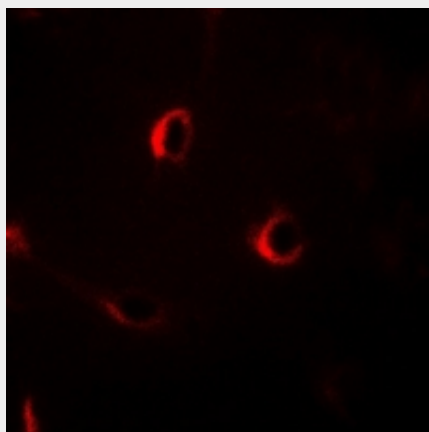
**Anti-ECRG4 Antibody - Images**

Western blot analysis of ECRG4 expression in U87MG (A), HEK293T (B), A549 (C), PC12 (D), CT26 (E) whole cell lysates.



Immunohistochemical analysis of ECRG4 staining in human testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as

the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of ECRG4 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-ECRG4 Antibody - Background**

Rabbit polyclonal antibody to ECRG4