

Anti-ECRG4 Antibody

Catalog # AP54026

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9H1Z8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17183

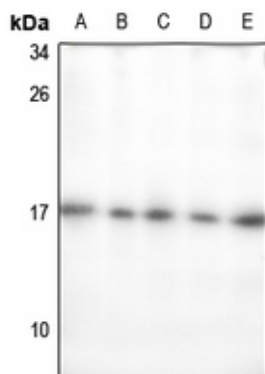
Additional Information

Gene ID	84417
Other Names	ECRG4; Augurin; Esophageal cancer-related gene 4 protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ECRG4. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

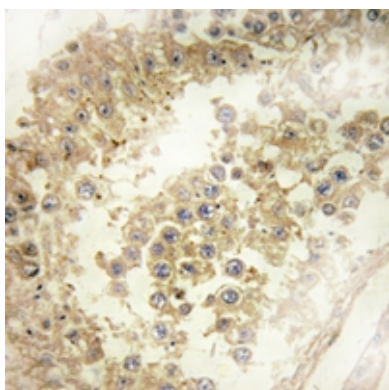
Protein Information

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)

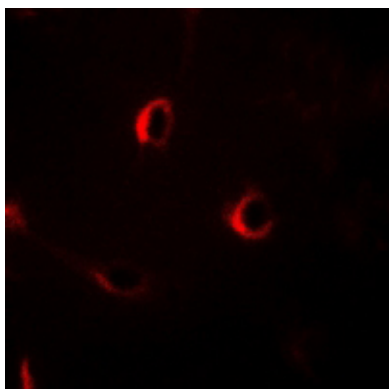
Images



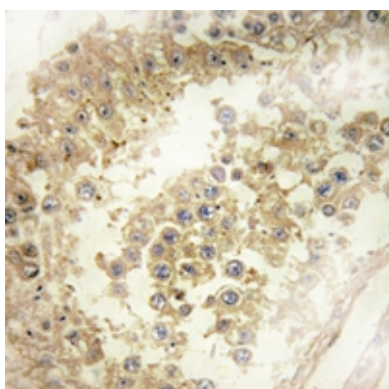
Western blot analysis of ECRG4 expression in U87MG (A), HEK293T (B), A549 (C), PC12 (D), CT26 (E) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 17 kD)



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.