

Rabbit ECRG4 Polyclonal Antibody | anti-C2orf40 antibody

ECRG4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40111	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Western Blot, ELISA

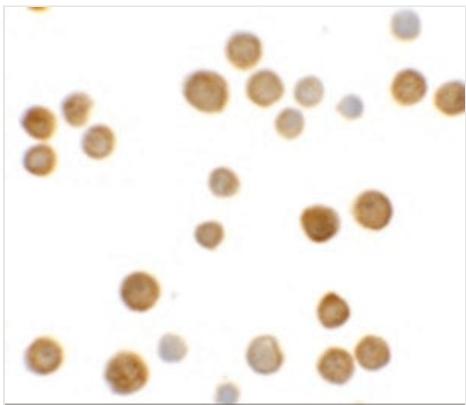
PRODUCT SYNONYMS

ECRG4; Polyclonal Antibody; ECRG4 Antibody; ECRG4 Antibody: ECRG4; UNQ761/PRO1508; Augurin; Esophageal cancer-related gene 4 protein; anti-C2orf40 antibody

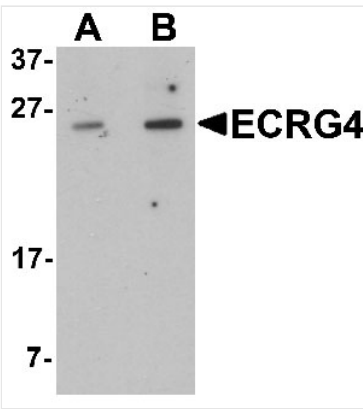
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ECRG4 antibody is predicted to not cross-react with other ECRG family members.
Purity/Purification	ECRG4 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-C2orf40 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Homology	Predicted species reactivity based on immunogen sequence: Bovine: (75%)
Immunogen	ECRG4 antibody was raised against a 20 amino acid synthetic peptide near the carboxy terminus of human ECRG4. The immunogen is located within the last 50 amino acids of ECRG4.
Positive Control	1) HeLa Cell Lysate 2) - HeLa Cell Slide
Conjugate	Unconjugated
Preparation and Storage	ECRG4 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)
Immunocytochemistry of ECRG4 in HeLa cells with ECRG4 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of ECRG4 in HeLa cell lysate with ECRG4 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-C2orf40 antibody

ECRG4 Antibody: The esophageal cancer-related gene 4 (ECRG4), also known as Augurin, was identified through differential display screening between esophageal cancer and normal tissue. Hypermethylation of CpG sites in the ECRG4 promoter correlate with ECRG4 downregulation in numerous esophageal squamous cell carcinoma tissues.. In transfected cells, overexpression of ECRG4 induced G1 arrest, dephosphorylation of Rb and decreased expression of cyclins D1 and D3. Increased expression of ECRG4 in aged mouse brain is observed compared with young mouse brain. The increased ECRG4 level was accompanied by elevated senescence-associated acidic beta-galactosidase activity, suggesting that ECRG4 is involved in cellular differentiation and senescence.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165276
NCBI GeneID	84417
NCBI Accession #	AAI09386
NCBI GenBank Nucleotide #	NM_032411.2
UniProt Accession #	Q9H1Z8; D3DVK2
NCBI Official Full Name	augurin
NCBI Official Synonym Full Names	chromosome 2 open reading frame 40
NCBI Official Symbol	C2orf40
NCBI Official Synonym Symbols	ECRG4
NCBI Protein Information	augurin; esophageal cancer related gene 4 protein; esophageal cancer-related gene 4 protein
UniProt Protein Name	Augurin
UniProt Gene Name	C2orf40
UniProt Synonym Gene Names	ECRG4
UniProt Entry Name	AUGN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.