

Chicken ECRG2 Polyclonal Antibody | anti-SPINK7 antibody

ECRG2 Antibody

CATALOG # AAA40315	HOST Chicken	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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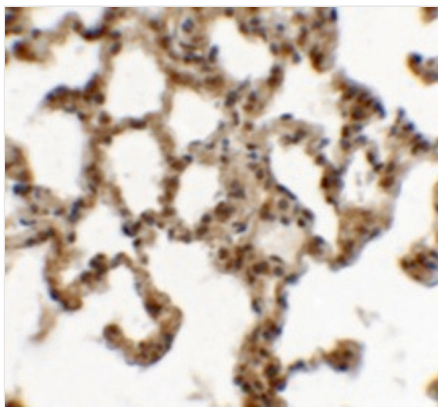
PRODUCT SYNONYMS

ECRG2; Polyclonal Antibody; ECRG2 Antibody; ECG2; UNQ745/PRO1474; Serine protease inhibitor Kazal-type 7; Esophagus cancer-related gene 2 protein; ECRG-2; serine peptidase inhibitor; Kazal type 7; anti-SPINK7 antibody

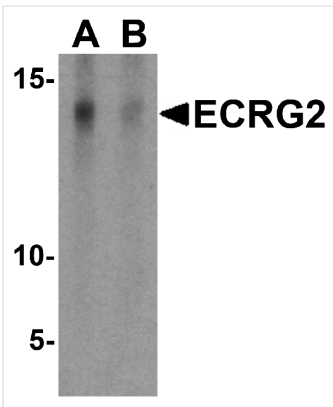
PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgY
Specificity	ECRG2 antibody is predicted to not cross-react with other ECRG family members
Purity/Purification	ECRG2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	85
Applicable Applications for anti-SPINK7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ECRG2 antibody was raised against a 16 amino acid synthetic peptide near the carboxy terminus of human ECRG2.
Buffer	ECRG2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ECRG2 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



IHC (Immunohistochemistry)
Immunohistochemistry of ECRG2 in rat lung tissue with ECRG2 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of ECRG2 in A-20 cell lysate with ECRG2 antibody at 1 μg/mL in the (A) absence and (B) presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SPINK7 antibody

ECRG2 Antibody: The esophageal cancer-susceptibility gene 2 (ECRG2), also known as SPINK7, is a novel tumor suppressor gene identified from the human esophagus. It interacts directly with metallothionein 2A and urokinase-type plasminogen activator (uPA), and downregulates the activity of uPA, leading to reduced cancer cell migration, invasion and metastasis. ECRG2 forms a complex with uPA and its receptor uPAR, modifying the dynamic association of uPAR with beta1 integrins and disrupting the Src/MAP kinase pathway that normally stimulates cell migration and invasion. ECRG2 may thus represent a novel therapeutic target for cancer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14211875
NCBI GeneID	84651
NCBI Accession #	AAI09386
NCBI GenBank Nucleotide #	NM_032566.2
UniProt Accession #	P58062; Q32LY0
Molecular Weight	9,232 Da
NCBI Official Full Name	serine protease inhibitor Kazal-type 7
NCBI Official Synonym Full Names	serine peptidase inhibitor, Kazal type 7 (putative)
NCBI Official Symbol	SPINK7
NCBI Official Synonym Symbols	ECG2; ECRG2
NCBI Protein Information	serine protease inhibitor Kazal-type 7; ECRG-2; esophagus cancer related gene 2; esophagus cancer-related gene-2; esophagus cancer-related gene 2 protein
UniProt Protein Name	Serine protease inhibitor Kazal-type 7
UniProt Gene Name	SPINK7
UniProt Synonym Gene Names	ECG2; ECRG-2
UniProt Entry Name	ISK7_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.

