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Datasheet for 200-901-AY8

ECRG2 Antibody

Overview

Description:	Anti-ECRG2 (CHICKEN) Antibody - 200-901-AY8
Item No.:	200-901-AY8
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Chicken

Product Details

Background:	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.
Synonyms:	ECRG2 Antibody, ECG2, ECRG2, ECG2, UNQ745/PRO1474, Serine protease inhibitor Kazal-type 7, Esophagus cancer-related gene 2 protein, ECRG-2
Host Species:	Chicken
Clonality:	Polyclonal
Format:	IgY

Target Details

Gene Name:	SPINK7
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-ECRG2 antibody was prepared from chicken egg fractions produced by repeated immunizations with a 16 amino acid synthetic peptide near the C-terminus of human ECRG2.

Purity/Specificity:	Anti-ECRG2 Antibody is an IgY fraction that has been affinity purified by immunoaffinity purification. ECRG2 antibody is predicted to not cross-react with other ECRG family members
Relevant Links:	• UniProtKB - P58062 • GeneID - 84651 • NCBI - AAI09386

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-ECRG2 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 9 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IHC:	5 µg/mL
WB:	1 µg/mL

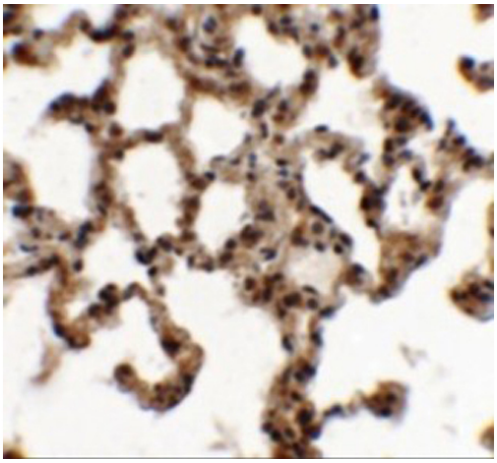
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

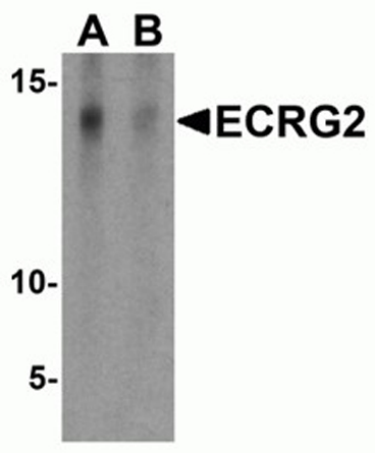
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of ECRG2.
Tissue: rat lung tissue.
Primary Antibody: ECRG2 antibody at 5 µg/mL.



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

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