

Datasheet for ABIN1048589  
**anti-ESYT1 antibody (Internal Region)**

## 3 Images

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## Overview

Quantity:	50 µg
Target:	ESYT1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat, Cow, Pig, Monkey, Bat, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)

## Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 17 amino acid peptide from internal region of human ESYT1 / FAM62A. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Bovine, Bat, Horse, Rabbit, Pig, Guinea pig (100%), Orangutan, Elephant, Panda, Dog (94%), Lizard (82%).  Type of Immunogen: Synthetic peptide
Specificity:	Human ESYT1 / FAM62A. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ESYT2 (65 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Bovine, Bat, Horse, Rabbit, Pig, Guinea pig (100%) Orangutan, Elephant, Panda, Dog (94%) Lizard (82%).

## Product Details

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Purification: Immunoaffinity purified

## Target Details

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Target: ESYT1

Alternative Name: ESYT1 ([ESYT1 Products](#))

Background: Name/Gene ID: ESYT1

Synonyms: ESYT1, E-Syt1, Extended synaptotagmin-1, KIAA0747, MBC2, FAM62A

Gene ID: 23344

## Application Details

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Application Notes: Approved: IHC, IHC-P (10 µg/mL)

Comment: Target Species of Antibody: Human

Assay Procedure: **The IHC-pro Immunohistochemistry Protocol**

### Tissue Preparation

Formalin fixation and embedding in paraffin wax

### Tissue Sectioning

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

### Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

### Antigen retrieval

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

### Immunostaining

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

### Dehydrate

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

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Restrictions:	For Research Use only
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### Handling

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Format:	Liquid
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Concentration:	Lot specific
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Buffer:	PBS, less than 0.1 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C,-20 °C
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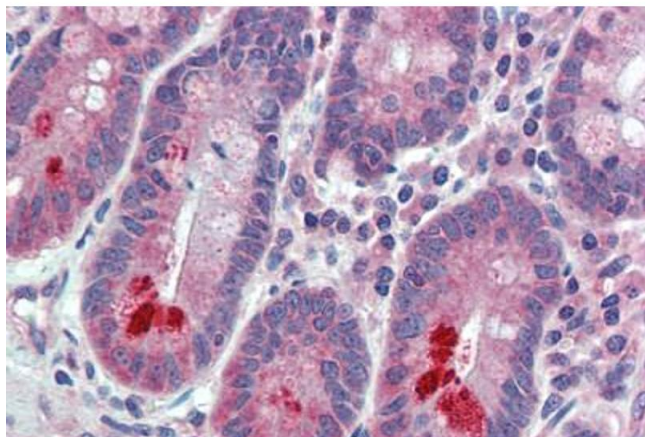
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## Handling

Storage Comment: Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

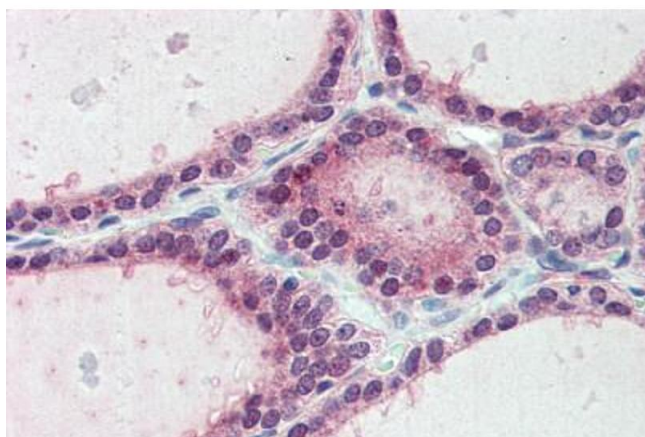
Expiry Date: 12 months

## Images



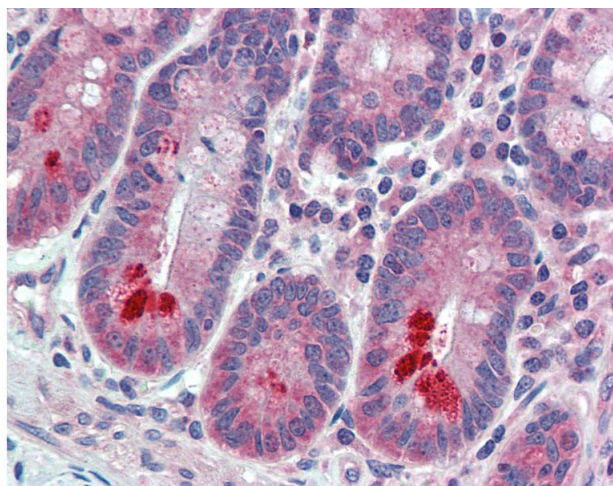
### Immunohistochemistry

**Image 1.** Anti-ESYT1 / FAM62A antibody ABIN1048589 IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 2.** Anti-ESYT1 / FAM62A antibody ABIN1048589 IHC staining of human thyroid. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



### Immunohistochemistry

**Image 3.** Anti-ESYT1 / FAM62A antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.