

**Anti-ST7 Picoband Antibody**  
**Catalog # ABO10333****Specification**

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**Anti-ST7 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q9NRC1</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Suppressor of tumorigenicity 7 protein(ST7) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-ST7 Picoband Antibody - Additional Information**

**Gene ID** 7982

**Other Names**

Suppressor of tumorigenicity 7 protein, Protein FAM4A1, Protein HELG, ST7, FAM4A1, HELG, RAY1

**Calculated MW**

67166 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Membrane ; Multi-pass membrane protein .

**Tissue Specificity**

Ubiquitously expressed, with highest levels in heart, liver and pancreas. .

**Protein Name**

Suppressor of tumorigenicity 7 protein

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human ST7 (268-309aa DGCYRRSQQLQHSGSQYEAQHRRDTNVLVYIKRRLAMCARRL), identical to the related mouse and rat sequences.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Anti-ST7 Picoband Antibody - Protein Information**

**Name** ST7

**Synonyms** FAM4A1, HELG, RAY1

**Function**

May act as a tumor suppressor.

**Cellular Location**

Membrane; Multi-pass membrane protein

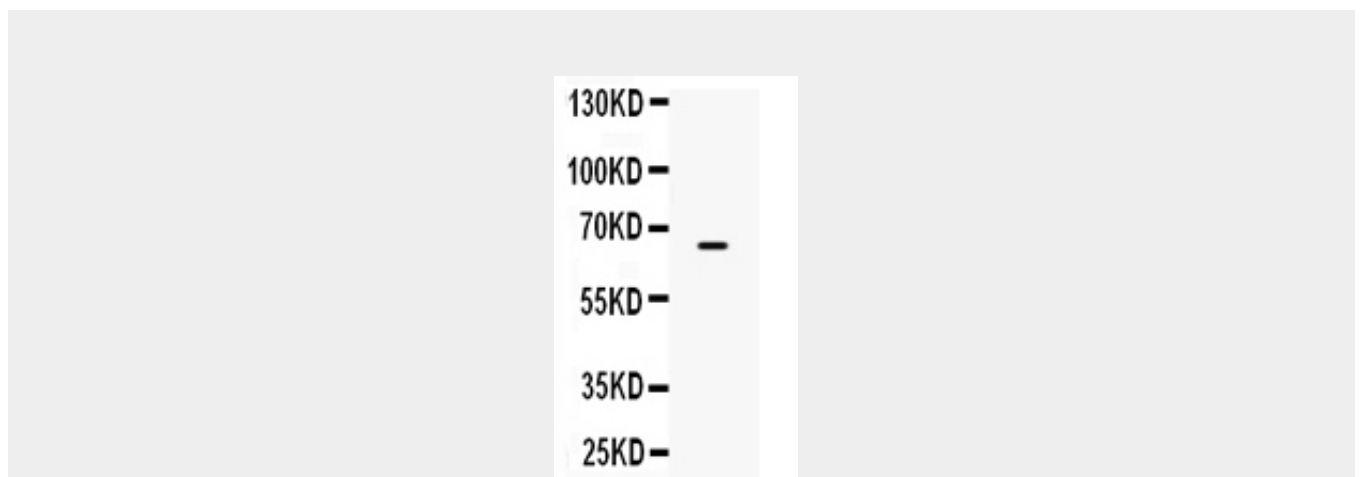
**Tissue Location**

Ubiquitously expressed, with highest levels in heart, liver and pancreas.

**Anti-ST7 Picoband Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-ST7 Picoband Antibody - Images**

Western blot analysis of ST7 expression in PANC whole cell lysates (lane 1). ST7 at 67KD was detected using rabbit anti- ST7 Antigen Affinity purified polyclonal antibody (Catalog # ABO10333) at 0.5  $\mu$ g/mL. The blot was developed using chemiluminescence (ECL) method .

**Anti-ST7 Picoband Antibody - Background**

Suppressor of tumorigenicity protein 7 is a protein that in humans is encoded by the ST7 gene. The gene for this product maps to a region on chromosome 7 identified as an autism-susceptibility locus. Mutation screening of the entire coding region in autistic individuals failed to identify phenotype-specific variants, suggesting that coding mutations for this gene are unlikely to be involved in the etiology of autism. The function of this gene product has not been determined. Transcript variants encoding different isoforms of this protein have been described.Â