

## Product datasheet

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# ARG67048 anti-TRPS1 antibody [SQab30333]

Package: 100 μl Store at: -20°C

#### **Summary**

Product Description Recombinant rabbit Monoclonal antibody [SQab30333] recognizes TRPS1

Tested Reactivity Hu

Tested Application IHC-P

Host Rabbit

Clonality Monoclonal
Clone SQab30333

IsotypeIgGTarget NameTRPS1SpeciesHuman

Immunogen Recombinant protein of Human TRPS1

Conjugation Un-conjugated

Alternate Names TRPS1, Transcriptional Repressor GATA Binding 1, LGCR, GC79, Tricho-Rhino-Phalangeal Syndrome Type

I Protein, Zinc Finger Transcription Factor Trps1, Trichorhinophalangeal Syndrome I, Zinc Finger Protein

GC79

#### **Application Instructions**

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Beast cancer	

#### **Properties**

Form Liquid

Purification Purification with Protein A.

Buffer PBS, 0.01% Sodium azide, 40% Glycerol and 0.05%BSA.

Preservative 0.01% Sodium azide

Stabilizer 40% Glycerol and 0.05%BSA

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol TRPS1

Gene Full Name Transcriptional Repressor GATA Binding 1

Background This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein

light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause

of tricho-rhino-phalangeal syndrome (TRPS) types I-III. [provided by RefSeq, Jul 2008]

Function Transcriptional repressor. Binds specifically to GATA sequences and represses expression of GATA-

regulated genes at selected sites and stages in vertebrate development. Regulates chondrocyte proliferation and differentiation. Executes multiple functions in proliferating chondrocytes, expanding the region of distal chondrocytes, activating proliferation in columnar cells and supporting the

differentiation of columnar into hypertrophic chondrocytes. [UniProt]

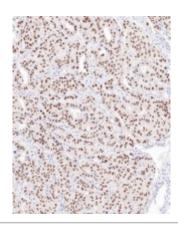
Calculated Mw 141 kDa

PTM Sumoylated. Sumoylation in the repressor domain inhibits the transcription repression activity.

Sumoylation on Lys-1201 is the major site. Appears to be sumoylated on multiple sites. [UniProt]

Cellular Localization Nucleus

### **Images**



#### ARG67048 anti-TRPS1 antibody [SQab30333] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded breast cancer stained with ARG67048 anti-TRPS1 antibody [SQab30333].