

For Research Use Only

# SECTM1 Monoclonal antibody

Catalog Number: 60281-1-Ig **1 Publications**



## Basic Information

Catalog Number:

60281-1-Ig

Size:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG14645

GenBank Accession Number:

BC017716

GeneID (NCBI):

6398

UNIPROT ID:

Q8WVN6

Full Name:

secreted and transmembrane 1

Calculated MW:

248 aa, 27 kDa

Observed MW:

27 kDa

Purification Method:

Thiophilic affinity chromatograph

CloneNo.:

1C11B4

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Mouse monoclonal antibodies of IgM isotype can be detected with "anti-mouse IgG (H+L)" secondary antibodies.**

Positive Controls:

**WB** : HaCaT cells, JAR cells, NCCIT cells, PC-3 cells, LNCaP cells, HeLa cells, K-562 cells

**IHC** : human breast cancer tissue, human colon cancer tissue

## Background Information

SECTM1, also named as protein K12, is originally identified by its location just upstream of the CD7 locus. It has been proposed as a ligand for CD7. SECTM1 is involved in thymocyte signaling. This antibody is specific to SECTM1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jie Mei	36818292	iScience	WB,IHC

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

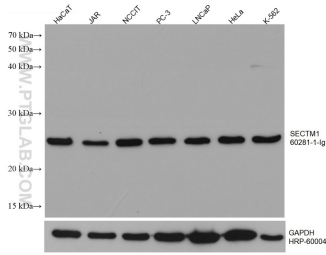
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

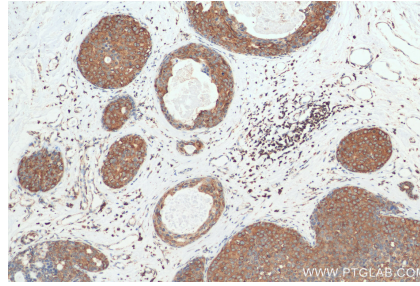
W: [ptgcn.com](http://ptgcn.com)

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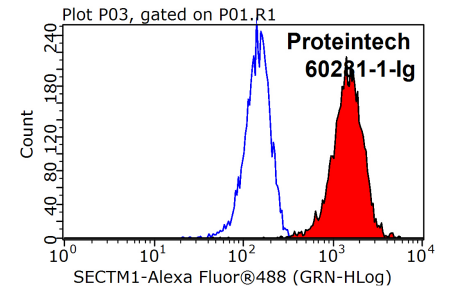
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60281-1-Ig (SECTM1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60281-1-Ig (SECTM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> K-562 cells were stained with 0.2ug SECTM1 antibody (60281-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.