

# TRPM1 Polyclonal antibody

Catalog Number: 55111-1-AP

## Basic Information

**Catalog Number:**

55111-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_002420

**GeneID (NCBI):**

4308

**UNIPROT ID:**

Q7Z4N2

**Full Name:**

transient receptor potential cation channel, subfamily M, member 1

**Calculated MW:**

182 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:200-1:2000

IF/ICC 1:25-1:100

## Applications

**Tested Applications:**

IF/ICC, IHC, ELISA, FC (Intra)

**Species Specificity:**

human

**Positive Controls:**

IHC : human lung cancer tissue,

IF/ICC : SH-SY5Y cells, A431 cells

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

## Background Information

### Storage

**Storage:**

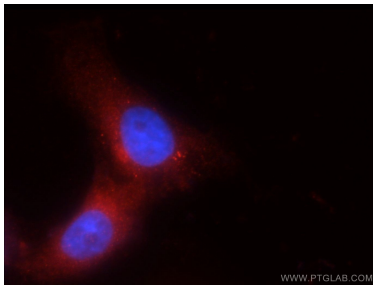
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

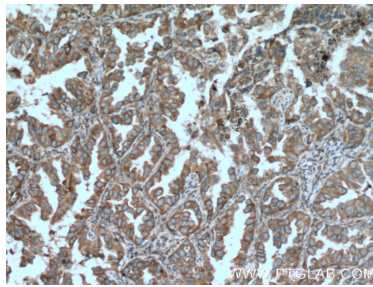
0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

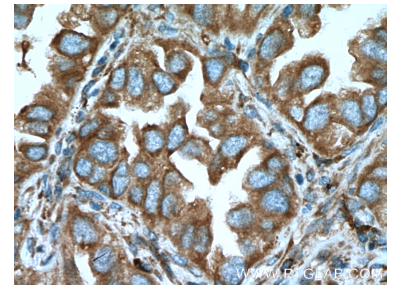
## Selected Validation Data



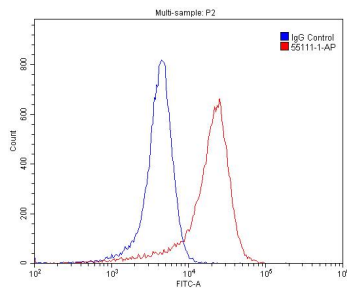
Immunofluorescent analysis of SH-SY5Y cells using 55111-1-AP (TRPM1 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



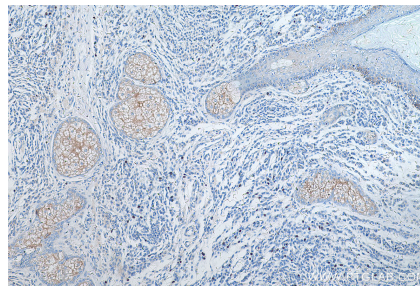
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55111-1-AP (TRPM1 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



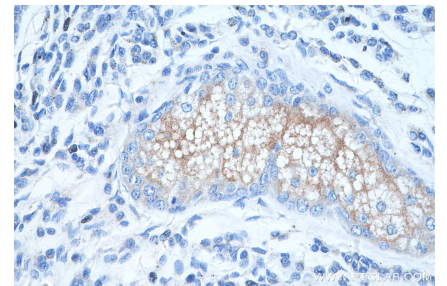
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55111-1-AP (TRPM1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> SH-SY5Y cells were stained with 0.2ug TRPM1 antibody (55111-1-AP, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 55111-1-AP (TRPM1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human malignant melanoma tissue slide using 55111-1-AP (TRPM1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).