

## ARG65598 anti-TRPC3 antibody

Package: 100 µl  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes TRPC3  |
| Tested Reactivity   | Hu, Ms, Rat  |
| Tested Application  | IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | TRPC3  |
| Species             | Human  |
| Immunogen           | Synthetic peptide of human TRPC3   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | hTrp3; hTrp-3; TrpC3; Transient receptor protein 3; TRP3; SCA41; Short transient receptor potential channel 3; TRP-3 |

### Application Instructions

| Application table | Application  | Dilution       |
|-------------------|--|----------------|
|                   | IHC-P  | 1:100 - 1:300  |
|                   | WB   | 1:500 - 1:2000 |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                |

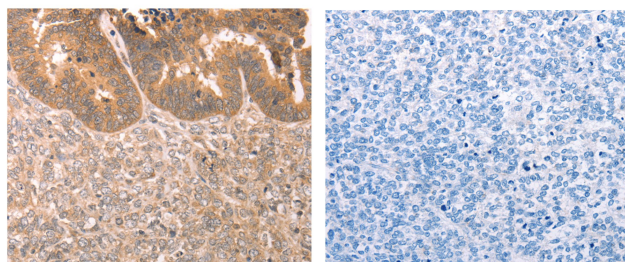
### Properties

|                     |   |
|---------------------|---|
| Form                | Liquid  |
| Purification        | Purified by antigen-affinity chromatography.  |
| Buffer              | PBS (pH 7.4), 0.02% Sodium azide, 0.5% BSA and 50% Glycerol.  |
| Preservative        | 0.02% Sodium azide  |
| Stabilizer          | 0.5% BSA and 50% Glycerol   |
| Concentration       | 1 mg/ml   |
| 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. 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

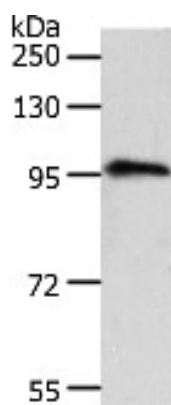
|                |  |
|----------------|--|
| Database links | <a href="#">GeneID: 7222 Human</a><br><a href="#">Swiss-port # Q13507 Human</a>  |
| Gene Symbol    | TRPC3  |
| Gene Full Name | transient receptor potential cation channel, subfamily C, member 3   |
| Background     | The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene.   |
| Function       | Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C, and by inositol 1,4,5-triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion. [UniProt] |
| Research Area  | Cell Biology and Cellular Response antibody; Neuroscience antibody; Signaling Transduction antibody  |
| Calculated Mw  | 96 kDa   |

## Images



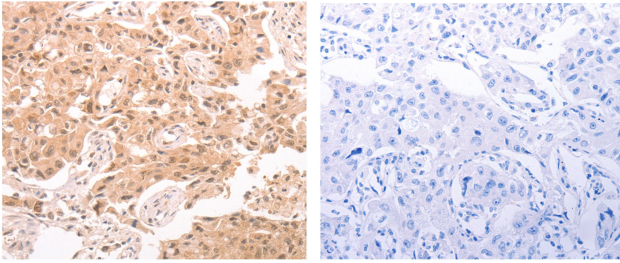
ARG65598 anti-TRPC3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human ovarian cancer tissue stained with ARG65598 anti-TRPC3 antibody (left) at 1:80 dilution, or the same antibody preincubated with synthetic peptide (right). (Original magnification:  $\times 200$ ).



ARG65598 anti-TRPC3 antibody WB image

Western blot: 40  $\mu$ g of Human fetal brain lysate stained with ARG65598 anti-TRPC3 antibody at 1:1600 dilution. Exposure time: 2 minutes.



#### ARG65598 anti-TRPC3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer tissue stained with ARG65598 anti-TRPC3 antibody (left) at 1:80 dilution, or the same antibody preincubated with synthetic peptide (right). (Original magnification:  $\times 200$ ).