

## Rabbit anti-Human TMCO1 Polyclonal Antibody | anti-TMCO1 antibody

TMCO1 Antibody

|                               |                       |                            |                                                    |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|
| CATALOG #<br><b>AAA233120</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, ELISA</b> |
|-------------------------------|-----------------------|----------------------------|----------------------------------------------------|

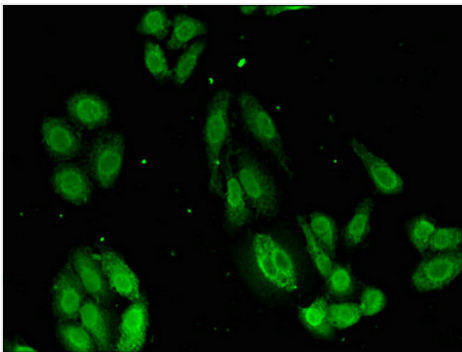
### PRODUCT SYNONYMS

TMCO1; Polyclonal Antibody; TMCO1 Antibody; Calcium load-activated calcium channel (CLAC channel) (Transmembrane and coiled-coil domain-containing protein 1) (Transmembrane and coiled-coil domains protein 4) (Xenogeneic cross-immune protein PCIA3); TMCC4; anti-TMCO1 antibody

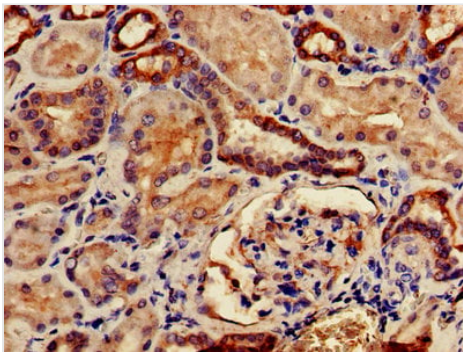
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human                                                                                     |
| Clonality                                       | Polyclonal                                                                                |
| Isotype                                         | IgG                                                                                       |
| Purity/Purification                             | >95%, Protein G purified                                                                  |
| Form/Format                                     | Liquid<br>Preservative: 0.03% Proclin300.<br>Constituents: 50% Glycerol, 0.01M PBS, pH7.4 |
| Applicable Applications for anti-TMCO1 antibody | IHC (Immunohistochemistry), ELISA                                                         |
| Immunogen                                       | Recombinant Human Calcium load-activated calcium channel protein (43-79AA)                |
| Conjugate                                       | Non-conjugated                                                                            |
| Immunogen Species                               | Homo sapiens (Human)                                                                      |
| Research Area                                   | Others                                                                                    |
| Target Names                                    | TMCO1                                                                                     |
| Preparation and Storage                         | Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.               |

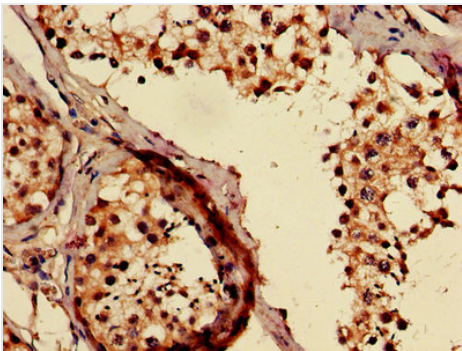
IMAGES



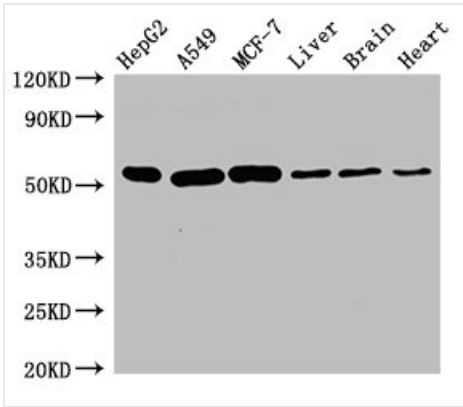
**IF (Immunofluorescence)**  
Immunofluorescent analysis of HepG2 cells using AAA233120 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



**IHC (Immunohistochemistry)**  
IHC image of AAA233120 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**IHC (Immunohistochemistry)**  
IHC image of AAA233120 diluted at 1:500 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**WB (Western Blot)**  
Western BlotPositive WB detected in: HepG2 whole cell lysate, A549 whole cell lysate, MCF-7 whole cell lysate, Mouse liver tissue, Mouse brain tissue,Rat heart tissueAll lanes: TMCO1 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 28,17,12,22,18 KDaObserved band size: 28 KDa

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-TMCO1 antibody</b> | Calcium-selective channel required to prevent calcium stores from overfilling, thereby playing a key role in calcium homeostasis (PubMed:27212239). In response to endoplasmic reticulum overloading, assembles into a homotetramer, forming a functional calcium-selective channel, regulating the calcium content in endoplasmic reticulum store |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

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|----------------------------|--------|
| <b>UniProt Accession #</b> | Q9UM00 |
|----------------------------|--------|

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.