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Datasheet for ABIN7173248

## anti-TMEM59 antibody (AA 59-201) (HRP)

### Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µg                                    |
| Target:              | TMEM59                                    |
| Binding Specificity: | AA 59-201                                 |
| Reactivity:          | Human                                     |
| Host:                | Rabbit                                    |
| Clonality:           | Polyclonal                                |
| Conjugate:           | This TMEM59 antibody is conjugated to HRP |
| Application:         | ELISA                                     |

### Product Details

|                   |   |
|-------------------|---|
| Immunogen:        | Recombinant Human Transmembrane protein 59 protein (59-201AA) |
| Isotype:          | IgG   |
| Cross-Reactivity: | Human   |
| Purification:     | >95%, Protein G purified                                      |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | TMEM59  |
| Alternative Name: | TMEM59 ( <a href="#">TMEM59 Products</a> )  |
| Background:       | Background: Acts as a regulator of autophagy in response to S.aureus infection by promoting activation of LC3 (MAP1LC3A, MAP1LC3B or MAP1LC3C). Acts by interacting with ATG16L1, |

## Target Details

leading to promote a functional complex between LC3 and ATG16L1 and promoting LC3 lipidation and subsequent activation of autophagy (PubMed:27273576, PubMed:23376921). Modulates the O-glycosylation and complex N-glycosylation steps occurring during the Golgi maturation of several proteins such as APP, BACE1, SEAP or PRNP (PubMed:20427278). Inhibits APP transport to the cell surface and further shedding (PubMed:20427278). Aliases: C1orf8 antibody, HSPC001 antibody, Liver membrane-bound protein antibody, TMEM59 antibody, TMEM59 transmembrane protein 59 antibody, TMM59\_HUMAN antibody, Transmembrane protein 59 antibody

UniProt: [Q9BXS4](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.