

## Anti-TMPRSS4 Polyclonal Antibody

## Product Details

|                   |   |
|-------------------|---|
| Ig Type:          | IgG                                     |
| Reactivity:       | Human,Mouse (predicted:Rat,Dog,Horse)   |
| Molecular Weight: | Theoretical: 48 kDa. Actual: 58-60 kDa. |
| Purification:     | Protein A purified                      |

## Applications

|                    |  |
|--------------------|--|
| Verified Activity: | 1. Sample: A431 (Human) Cell Lysate at 40 µg<br>Primary: Anti-TMPRSS4 (TMAB-13618) at 1/300 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 48 kD<br>Observed band size: 55 kD  |
|                    | 2. Sample: Epithelium (Mouse) Lysate at 40 µg<br>Primary: Anti-TMPRSS4 (TMAB-13618) at 1/300 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 48 kD<br>Observed band size: 60 kD |
|                    | Application: WB  |
|                    | Recommended WB: 1:500-2000   |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | KLH conjugated synthetic peptide: human TMPRSS4 |
| Antigen Species: | Human   |
| Gene ID:         | 56649   |
| Uniprot ID:      | Q9NRS4  |

## Research Background

TMPRSS4 is a member of the peptidase S1 family and contains 1 LDL receptor class A domain, 1 peptidase S1 domain and 1 SRCR domain. It is a probable membrane protease capable of activating ENaC and may process sodium channels in endothelial cells. TMPRSS4 is overexpressed in thyroid neoplasms, and splice variants in TMPRSS4 are thought to be linked with different cancers. Three named isoforms are produced by alternative splicing.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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