SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TMPRSS4 antibody

Catalog Number: SL6286R

FOR RESEARCH USE ONLY

[DATASHEET]

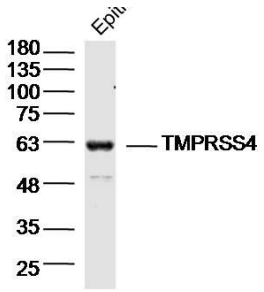
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TMPRSS4
Immunogen:	KLH conjugated synthetic peptide derived from human TMPRSS4: 84-130/437 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Rat,Dog,Horse)
Predicted MW.:	48kDa
Subcellular Location:	The cell membrane
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. **Function:** Probable protease. Seems to be capable of activating ENaC. **Subcellular Location:** Membrane; Single-pass type II membrane protein (Potential). **Tissue Specificity:** High levels in pancreatic, gastric, colorectal and ampullary cancer. Very weak expression in normal gastrointestinal and urogenital tract. **Similarity:** Belongs to the peptidase S1 family. Contains 1 LDL-receptor class A domain. Contains 1 peptidase S1 domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

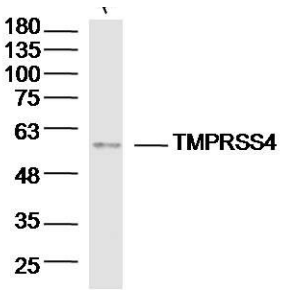
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	Contains 1 SRCR domain. **Database links:** **Entrez Gene:** 451581 Chimpanzee **Entrez Gene:** 489387 Dog **Entrez Gene:** 101147411 Gorilla **Entrez Gene:** 100071190 Horse **Entrez Gene:** 56649 Human **Entrez Gene:** 100390415 Marmoset (common) **Entrez Gene:** 100436934 Orangutan Omim: 606565 Human **SwissProt:** Q9NRS4 Human **Unigene:** 161985 Human

[VALIDATION IMAGES]



Sample:Epithelium (Mouse)Lysate at 40 ug
Primary: Anti-TMPRSS4(SL6286R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 48kD
Observed band size: 60kD



Sample:A431 (Human)Cell Lysate at 40 ug
Primary: Anti-TMPRSS4(SL6286R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 48kD
Observed band size: 55kD

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