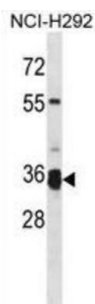


## Transmembrane Protease Serine 12 (TMPRSS12) Antibody

Catalogue No.: abx029062



TMPRSS12 (transmembrane protease serine 12) is a 348 amino acid single-pass membrane protein that belong to the peptidase S1 family and contains one peptidase S1 domain. The gene that encodes TMPRSS12 consists of nearly 45,000 bases and maps to human chromosome 12q13.12. Encoding over 1,100 genes within 132 million bases, chromosome 12 makes up about 4.5% of the human genome. A number of skeletal deformities are linked to chromosome 12, including hypochondrogenesis, achondrogenesis and Kniest dysplasia. Noonan syndrome, which includes heart and facial developmental defects among the primary symptoms, is caused by a mutant form of PTPN11 gene product, SH-PTP2. Chromosome 12 is also home to a homeobox gene cluster, which encodes crucial transcription factors for morphogenesis, and the natural killer complex gene cluster, encoding C-type lectin proteins which mediate the NK cell response to MHC I interaction. Trisomy 12p leads to facial development defects, seizure disorders and a host of other symptoms which vary in severity depending on the extent of mosaicism.

**Target:** Transmembrane Protease Serine 12 (TMPRSS12)

**Clonality:** Polyclonal

**Reactivity:** Human

**Tested Applications:** ELISA, WB

**Host:** Rabbit

**Recommended dilutions:** WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** KLH-conjugated synthetic peptide between 26-54 amino acids from the N-terminal region of human TMPRSS12.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified through a protein A column, followed by peptide affinity purification.

# Datasheet

Version: 3.0.0  
Revision date: 16 Mar 2025



**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

**UniProt Primary AC:** Q86WS5 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** TMPRSS12

**KEGG:** hsa:283471

**String:** [9606.ENSP00000381476](#)

**Molecular Weight:** Calculated MW: 38.6 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only