

Product datasheet for **AP54299PU-N**

TMPRSS12 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1;000 Western blot: 1:100~500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 25-54 amino acids from the N-terminal region of human TMPRSS12
Specificity:	This antibody detects TMPRSS12 (N-term).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	transmembrane protease, serine 12
Database Link:	Entrez Gene 283471 Human Q86WS5



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Background:

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.

Synonyms:

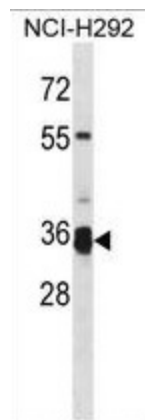
Transmembrane protease serine 12

Note:

Molecular Weight: 38604 Da

Protein Families:

Druggable Genome, Transmembrane

Product images:

TMPRSS12 Antibody (N-term) western blot analysis in NCI-H292 cell line lysates (35 ug/lane). This demonstrates the TMPRSS12 antibody detected the TMPRSS12 protein (arrow).