

Rabbit Polyclonal Anti-TM6SF1 antibody

Catalog Number: TM6SF1-101AP

Lot Number:

General Information

Product	TM6SF1 Antibody
Description	Transmembrane 6 superfamily member 1 Antibody Affinity Purified
Accession #	Uniprot: Q9BZW5
Verified Applications	ELISA, IP, WB
Species Cross Reactivity	Human, Mouse, Rat
Host	Rabbit
Immunogen	Synthetic peptide taken within amino acid region 320-370 on human TM6SF1 protein.
Alternative Nomenclature	TM6S1_HUMAN antibody, Transmembrane 6 superfamily member 1 antibody

Physical Properties

Quantity	100 µg
Volume	200 µl
Form	Affinity Purified Immunoglobulins
Immunoglobulin & Concentration	0.56 mg/ml IgG in antibody stabilization buffer
Storage	Store at -20°C for long term storage.

Recommended Dilutions

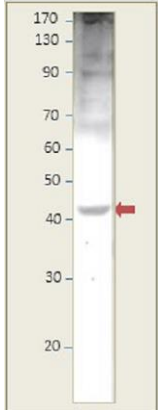
DOT Blot	1:10,000
ELISA	1:10,000
Immunoprecipitation	1:200
Western Blot	1:500

Related Products

Catalog

BIOTIN-Conjugated	TM6SF1-BIOTIN
FITC-Conjugated	TM6SF1-FITC
Antigenic Blocking Peptide	P-TM6SF1
Western Blot Positive Control	PC-TM6SF1
TM6SF2 Antibody	TM6SF2-201AP

Application Verification:



WB of TM6SF1-101AP with T47D. 1:500 antibody dilution in DiluObuffer. Apparent MW is 41-42 kDa.

Dilutions are for reference only. Applications not listed above are not necessarily precluded from working with this antibody. Investigators intending to use an application that has not been verified can request a complimentary sample.

Overview:

Transmembrane 6 superfamily member 1 (TM6SF1) is a 370 amino acid multi-pass membrane protein that belongs to the TM6SF family. The TM6SF family comprises of 3 members (TM6SF1-TM6SF3) and are intricately involved in chemokine signaling transduction pathways. The TM6SF1 is a new member recently characterized whose gene is located on chromosome 15q12. The Euroimage consortium sequencing project identified TM6SF1 as a novel gene whose expression was limited to spleen, testis, and peripheral blood leukocytes. TM6SF1 and TM6SF2 are paralogous pair of genes, where TM6SF1 is localized on chromosome 19q12 while TM6SF2 localized on chromosome 15q12. The TM6SF1 and TMSF2 are have an overall similarity of 68% and 52% identity at the protein level. This conservation also led to discovery of 11 more genes 19p1.3-p12 with close homology to genes in the 15q24-q26 (1). The gene that encodes TM6SF1 consists of nearly 30,000 bases and maps to human chromosome 15q25 (1). Housing approximately 106 million base pairs and encoding more than 700 genes, chromosome 15 makes up about 3% of the human genome. Mutations in this chromosome caused various disorders including Angelman and Prader-Willi, Tay Sachs disease, and Marfan syndrome. TM6SF1 contains 8 transmembrane domains. The TM6SF1 gene was cloned from the tumor clonal outgrowth which was produced by spontaneously senescent normal mammary clonal out growth infected with the MMTV virus. The TM6SF1 is expressed in several spliced forms that are produced by either use of alternate initiation codons or by alternate RNA splicing. The physiological role of this protein is not known and may be a member of the orphan receptor family member (2).

TM6SF1-selective antibodies were generated against a peptide taken from the C-terminal region of the human TM6SF1 protein. The TM6SF1-selective antibodies are affinity purified on an immobilized antigen based affinity matrix. The isolated antibodies were then stabilized in antibody stabilization buffer for long-term storage. Antigenic blocking peptides (P-TM6SF1) and western blot positive controls (PC-TM6SF1) are available. Antibodies can be conjugated to secondary enzymes or fluorophores upon request at nominal costs. For a complete listing of all FabGennix products and services please visit <http://fabgennix.com>.

References:

1. Suzuki Y1, Yoshitomo-Nakagawa K, Maruyama K, Suyama A, Sugano S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. *Gene*. 1997 Oct 24; 200(1-2):149-56.
2. Carim-Todd L1, Escarceller M, Estivill X, Sumoy L Cloning of the novel gene TM6SF1 reveals conservation of clusters of paralogous genes between human chromosomes 15q24-->q26 and 19p13.3 - *Cytogenet Cell Genet*. 2000;90

* For users who may require large amounts of the products listed above, please inquire about bulk material discounts.
This Product is for Research Use Only and is NOT intended for use in humans or clinical diagnosis.