

**TM9SF4 Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11073****Specification**

---

**TM9SF4 Antibody (Internal) - Product Information**

|                   |                                          |
|-------------------|------------------------------------------|
| Application       | IHC                                      |
| Primary Accession | <a href="#">O92544</a>                   |
| Reactivity        | Human, Mouse, Rabbit, Monkey, Guinea Pig |
| Host              | Rabbit                                   |
| Clonality         | Polyclonal                               |
| Calculated MW     | 75kDa KDa                                |

**TM9SF4 Antibody (Internal) - Additional Information****Gene ID** 9777**Other Names**

Transmembrane 9 superfamily member 4, TM9SF4, KIAA0255

**Target/Specificity**

Human TM9SF4. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except ALAS2 (47%).

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

TM9SF4 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

**TM9SF4 Antibody (Internal) - Protein Information****Name** TM9SF4**Synonyms** KIAA0255, TUCAP1 {ECO:0000303|PubMed:198**Function**

Associates with proteins harboring glycine-rich transmembrane domains and ensures their efficient localization to the cell surface (PubMed:<a href="http://www.uniprot.org/citations/25999474" target="\_blank">25999474</a>). Regulates the assembly and activity of V-ATPase in colon cancer cells via its interaction with V-type proton ATPase subunit H (ATP6V1H) and contributes to V-ATPase-mediated pH alterations in cancer cells which play an important role in drug resistance and invasiveness of colon cancer cells (PubMed:<a href="http://www.uniprot.org/citations/25659576" target="\_blank">25659576</a>). Plays an important role in an atypical phagocytic activity of metastatic melanoma cells called cannibalism and is involved in the pH regulation of the intracellular vesicles in tumor cells (PubMed:<a

href="http://www.uniprot.org/citations/19893578" target="\_blank">19893578</a>).

**Cellular Location**

Membrane; Multi-pass membrane protein. Golgi apparatus Early endosome

**Tissue Location**

Highly expressed in metastatic melanoma cells whereas it is undetectable in primary melanoma cells, healthy skin tissues and peripheral blood lymphocytes. Expressed in CD34(+) hematopoietic progenitor cells and during monocyte and granulocyte differentiation. Overexpressed in acute myeloid leukemia, in particular in those displaying granulocytic differentiation (at protein level)

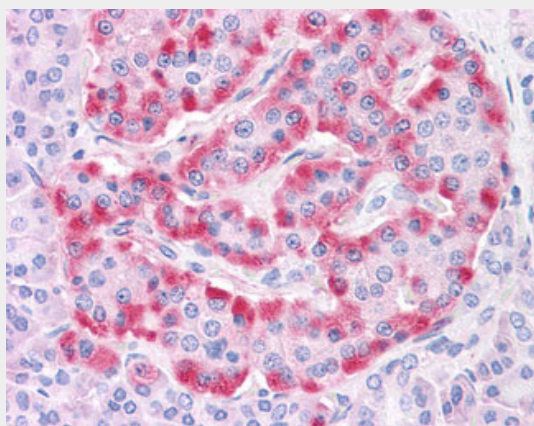
**Volume**

50 µl

**TM9SF4 Antibody (Internal) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TM9SF4 Antibody (Internal) - Images**

Anti-TM9SF4 antibody IHC of human pancreas islet of Langerhans.

**TM9SF4 Antibody (Internal) - References**

Nagase T.,et al.DNA Res. 3:321-329(1996).  
Deloukas P.,et al.Nature 414:865-871(2001).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.  
Zahedi R.P.,et al.J. Proteome Res. 7:526-534(2008).