

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

TM9SF4 Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O92544
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:25999474). 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:25659576). 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:19893578).

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)

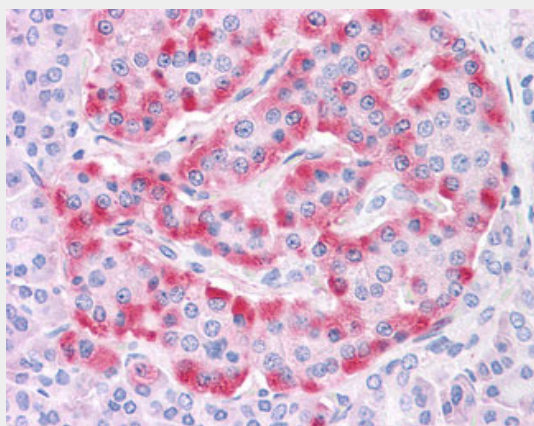
Volume

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).