

Anti-human TM9SF4 antibody
Purified Mouse Monoclonal Antibody
Catalog # ABV11687**Specification**

Anti-human TM9SF4 antibody - Product Information

Application	FC, WB
Primary Accession	O92544
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	74519

Anti-human TM9SF4 antibody - Additional Information**Gene ID** 9777**Other Names**

Transmembrane 9 superfamily member 4, TM9SF4, KIAA0255

Target/Specificity

TM9SF4 (unconjugated)

Formulation

0.5 mg/ml in Glycine (0.1 M), NaCl (0.5 M), Tris-HCl (0.1 M) with sodium azide (15mM), pH: 7.4.

Handling

The antibody solution should be gently mixed before use

Background Descriptions**Precautions**

Anti-human TM9SF4 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-human TM9SF4 antibody - 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:<http://www.uniprot.org/citations/25999474> target="_blank">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

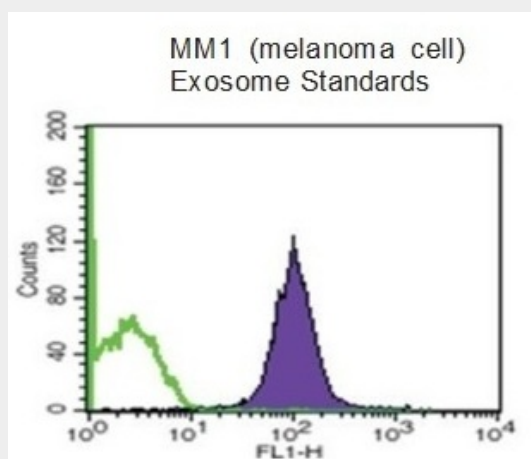
Highly expressed in metastatic melanoma cells whereas it is undetectable in primary melanoma cells, healthy skin tissues and peripheral blood lymphocytes. Expressed in CD34(+) hematopoietic progenitor cells and during monocyte and granulocyte differentiation. Overexpressed in acute myeloid leukemia,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

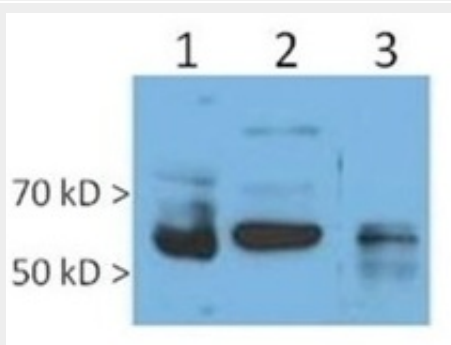
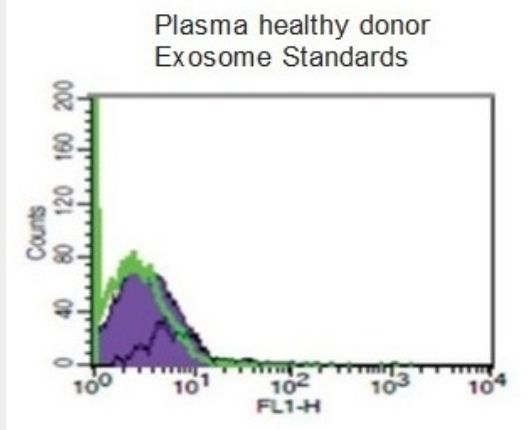
Anti-human TM9SF4 antibody - Protocols

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](#)

Anti-human TM9SF4 antibody - Images





Detection of TM9SF4 by Western blot. 1.MM1 cell lysate(20ug); 2. MM1 cell supernatant purified exosomes(20ug); 3. Plasma healthy donors purified exosomes(20ugf).

Anti-human TM9SF4 antibody - Background

TM9SF4 (TUCAP1) is a new tumor associated protein that belongs to the Trans-Membrane 9 Superfamily (TM9SF), a family of proteins with unknown function. These proteins are characterized by the presence of a large variable extracellular N-terminal domain followed by nine putative transmembrane domains in the conserved C terminal domain. TM9SF4 resulted expressed in exosomes derived principally from tumoral source.