

TACSTD2-3

Uniprot ID: P09758

Protein name: TACD2_HUMAN

Full name: Tumor-associated calcium signal transducer 2

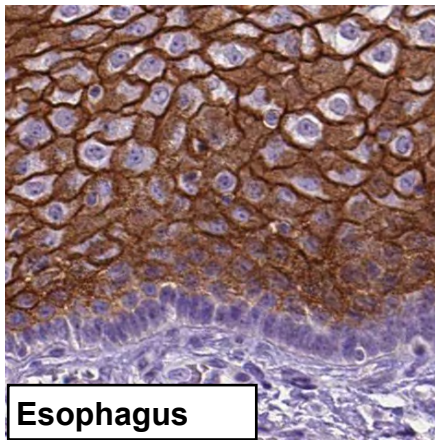
Protein existence: evidence at protein level

Function: May function as a growth factor receptor.

Three antibodies: TACSTD2-1, TACSTD2-2 and TACSTD2-3 were tested. TACSTD2-3 was selected for full protein profiling.

TACSTD2-3 (CAB072852)

OK



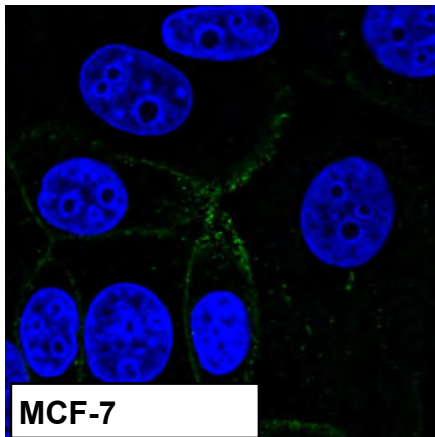
Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:25000

IHC test staining: Pancreas staining of intercalated discs along with additional membrane positivity of squamous epithelium in skin.

IHC Annotators comments

Moderate to strong membranous positivity was observed in respiratory epithelia, squamous epithelia, salivary ducts, bile ducts, pancreatic ducts, urothelial cells, fallopian tube, glandular cells of breast, epididymis, prostate, cervix, uterine and subset of renal tubules. Remaining normal tissues were negative.



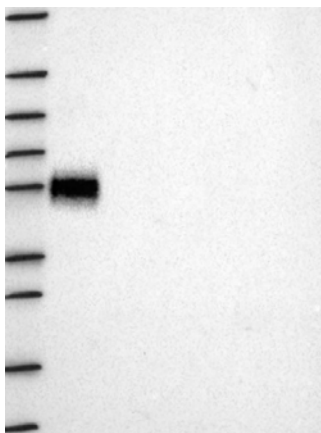
Papillary adenocarcinoma of thyroid, cervical and urothelial cancers along with several breast, prostate, ovarian, endometrial, lung, skin and pancreatic cancers showed moderate to strong membranous immunoreactivity with additional cytoplasmic staining in few cases. Remaining cancer tissues were negative.

Immunofluorescence

IF Overlay: antibody (green), anti-tubuline (red) and DAPI (blue)

IF Localization: Positivity in plasma membrane.

IF Validation: The subcellular location is supported by literature



Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 10

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 35.7

WB Validation: Not supportive (Only bands not corresponding to the predicted size)