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TSPAN1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant TSPAN1.
Catalog # AT4379a

Product Information

Application	E
Primary Accession	O60635
Other Accession	NM_005727
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG
Clone Names	5G11
Calculated MW	26301

Additional Information

Gene ID	10103
Other Names	Tetraspanin-1, Tspan-1, Tetraspan NET-1, Tetraspanin TM4-C, TSPAN1
Target/Specificity	TSPAN1 (NP_005718, 110 a.a. ~ 211 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TSPAN1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility.

References

Glycosylation of tetraspanin Tspan-1 at four distinct sites promotes its transition through the endoplasmic reticulum. Scholz CJ, et al. Protein Pept Lett, 2009. PMID 19508227.Risk prediction of prevalent diabetes in a Swiss population using a weighted genetic score--the CoLaus Study. Lin X, et al. Diabetologia, 2009 Apr.

PMID 19139842.Tspan-1 is a tetraspanin preferentially expressed by mucinous and endometrioid subtypes of human ovarian carcinomas. Scholz CJ, et al. Cancer Lett, 2009 Mar 18. PMID 19017553.Midkine promotes tetraspanin-integrin interaction and induces FAK-Stat1alpha pathway contributing to migration/invasiveness of human head and neck squamous cell carcinoma cells. Huang Y, et al. Biochem Biophys Res Commun, 2008 Dec 12. PMID 18851943.Clinicopathological significance of overexpression of TSPAN1, Ki67 and CD34 in gastric carcinoma. Chen L, et al. Tumori, 2008 Jul-Aug. PMID 18822690.