
TSPAN10 Antibody Blocking Peptide

Catalog Number: bs-9419P

Activity: Not tested

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The tetraspanins are integral membrane proteins expressed on cell surface and granular membranes of hematopoietic cells and are components of multi-molecular complexes with specific integrins. Oculospinin, also known as tetraspanin 10 (TSPAN10) or OCSP, is a 355 amino acid multi-pass membrane protein belonging to the tetraspanin (TM4SF) family. Oculospinin is expressed in certain regions of the eye such as retinal pigment epithelium, ciliary body and iris, but is not found in the lens. The gene encoding Oculospinin maps to human chromosome 17, which comprises over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, and is linked to predisposition of cancers of the ovary, colon, prostate gland and fallopian tubes.