

Properties

Storage instructions Store at -80°C. Please refer to protocols.

Components	1 kit
ab280437 - Human CD9 knockout A549 cell lysate	1 x 100µg
ab259782 - Human wild-type A549 cell lysate	1 x 100µg

Cell type epithelial
Disease Carcinoma
Gender Male

Target

Function Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.

Tissue specificity Expressed by a variety of hematopoietic and epithelial cells.

Sequence similarities Belongs to the tetraspanin (TM4SF) family.

Post-translational modifications Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.

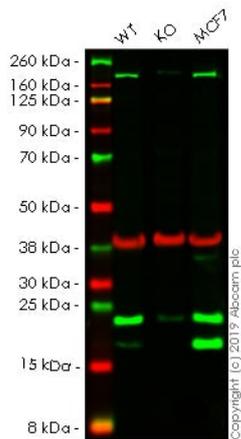
Cellular localization Membrane.

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab261687 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.

Images



Western blot - Human CD9 knockout A549 cell lysate (ab261687)

Lane 1: Wild-type A549 (Human lung carcinoma cell line) whole cell lysate

Lane 2: CD9 knockout A549 (Human lung carcinoma cell line) whole cell lysate

Lane 3: MCF7 (Human breast adenocarcinoma cell line) whole cell lysate

Lanes 1 - 3: Merged signal (red and green). Green - [ab92726](#) observed at 22 kDa. Red - loading control, [ab9484](#), observed at 37 kDa.

[ab92726](#) was shown to recognize CD9 in wild-type A549 cells as signal was lost at the expected MW in CD9 knockout cell line [ab261878](#) (knockout cell lysate ab261687). Additional cross-reactive bands were observed in the wild-type and knockout samples. Wild-type and CD9 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% milk. Ab92726 and [ab9484](#) (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed [ab216773](#) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed [ab216776](#) secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.

