




Product datasheet

Anti-TSPAN1 antibody ab254730

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Overview

Product name	Anti-TSPAN1 antibody
Description	Rabbit polyclonal to TSPAN1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Orangutan 
Immunogen	Recombinant fragment corresponding to Human TSPAN1 aa 100 to the C-terminus. Database link: O60635  Run BLAST with  Run BLAST with
Positive control	IHC-P: Human kidney, prostate and colon tissue. ICC: A-431 cells. WB: PC3G cell lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab254730 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 a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 18 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

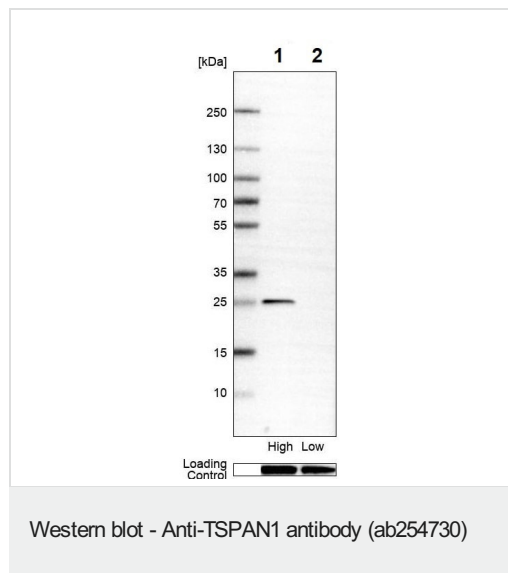
Relevance

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.

Cellular localization

Lysosome membrane; Multi-pass membrane protein

Images



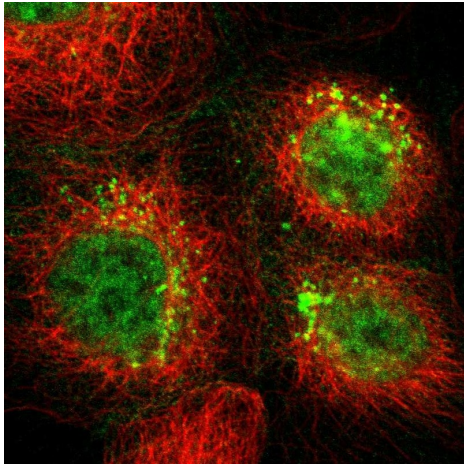
All lanes : Anti-TSPAN1 antibody (ab254730) at 0.04 µg/ml

Lane 1 : PC3 (Human prostate adenocarcinoma cell line) whole cell lysate

Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate

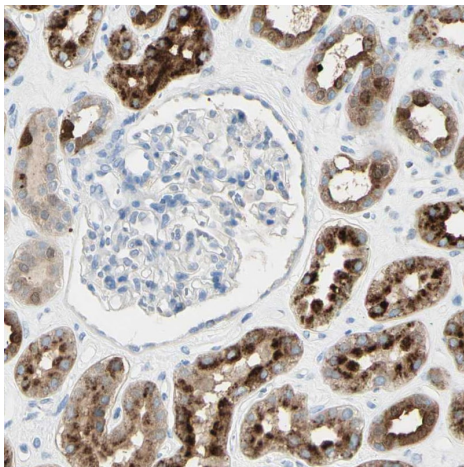
Predicted band size: 18 kDa

Western blot analysis labeling TSPAN1 with ab254730 at 0.04 µg/ml.



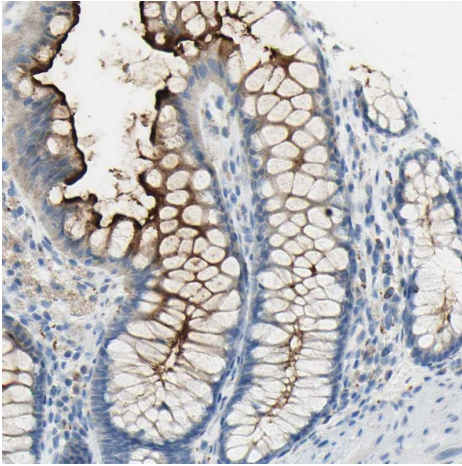
PFA fixed, Triton X-100 permeabilized A-431 (Human epidermoid carcinoma cell line) cells labeling TSPAN1 using ab254730 at 4µg/ml (green) in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-TSPAN1 antibody (ab254730)



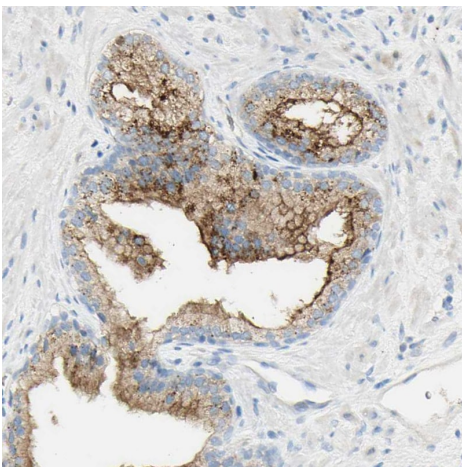
Paraffin-embedded human kidney tissue stained for TSPAN1 using ab254730 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TSPAN1 antibody (ab254730)



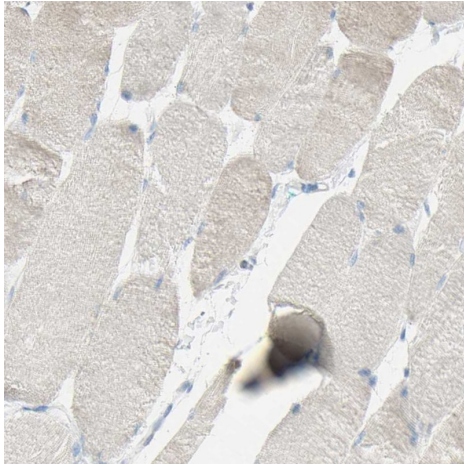
Paraffin-embedded human colon tissue stained for TSPAN1 using ab254730 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TSPAN1 antibody (ab254730)



Paraffin-embedded human prostate tissue stained for TSPAN1 using ab254730 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TSPAN1 antibody (ab254730)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TSPAN1 antibody (ab254730)

Paraffin-embedded human skeletal muscle tissue stained for TSPAN1 using ab254730 at 1/200 dilution in immunohistochemical analysis. No positivity in myocytes as expected.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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