

## Anti-TSPAN8 Antibody

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature  
Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Anti-TSPAN8 Antibody is a humanized monoclonal antibody that binds specifically to TSPAN8 (Tetraspanin-8) with high affinity. This product effectively inhibits TSPAN8-mediated cancer cell stemness and distant metastasis. By blocking TSPAN8 signaling, the antibody downregulates the expression of stemness markers and attenuates the invasive capacity of tumor cells, serving as a pharmacological tool for researching the progression of colorectal cancer and other malignancies.
Targets(IC50)	Others
In vitro	In cell-based assays using colorectal cancer cell lines (such as HCT116 and SW480), Anti-TSPAN8 Antibody effectively reduces the expression of stemness-related transcription factors (e.g., Sox2, Oct4, and Nanog) and inhibits ALDH1 activity, leading to a significant decrease in sphere formation and transwell invasion [1].
In vivo	In pharmacological studies using orthotopic and tail-vein injection mouse models of colorectal cancer, systemic administration of Anti-TSPAN8 Antibody significantly inhibited primary tumor growth and markedly reduced the number of lung and liver metastatic foci; the treatment resulted in the downregulation of stemness markers within the tumor tissues, confirming its efficacy in suppressing metastasis by targeting the TSPAN8-mediated stemness signaling pathway [1].

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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