

**DATASHEET**

**Tetraspanin 8 Mouse Monoclonal Antibody(C3016)**

CAT. NO. AMA02628

**KEY FEATURES**

Target	Tetraspanin 8	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB, IHC, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Structural component of specialized membrane microdomains known as tetraspanin-enriched microdomains (TERMs), which act as platforms for receptor clustering and signaling , which act as platforms for receptor clustering and signaling . Participates thereby in diverse biological functions such as cell signal transduction, migration and protein trafficking . Promotes ADAM17-mediated TNF processing through recruitment of ADAM17 to tetraspanin-enriched micro-domains (TEMs) . Forms a complex with RICTOR and integrin alpha3/ITGA3 to mediate mTORC2 activation and AKT1 phosphorylation leading to cell migration . Reduces apoptosis and autophagy induced by high glucose levels through forming a complex with mTOR and RICTOR .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500
FC	1:100 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal to Tetraspanin 8
Specificity	Recognizes endogenous levels of Tetraspanin 8 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Tetraspanin 8 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 26 kD; Observed: 26 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	TM4SF3; Tetraspanin-8; Tspan-8; Transmembrane 4 superfamily member 3; Tumor-associated antigen CO-029
Gene Symbol	TSPAN8
Entrez Gene	7103(Human)
SwissProt	P19075(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

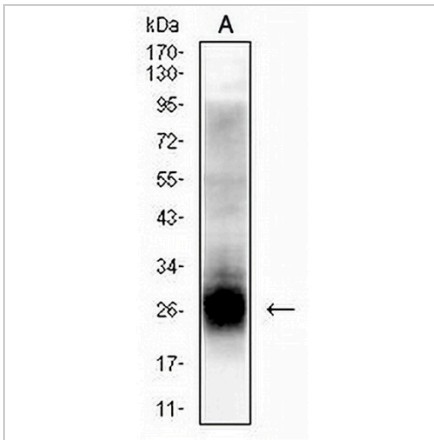
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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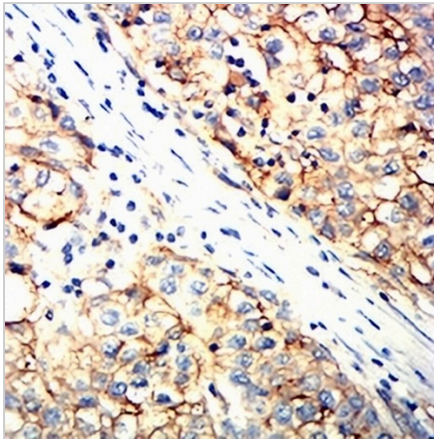
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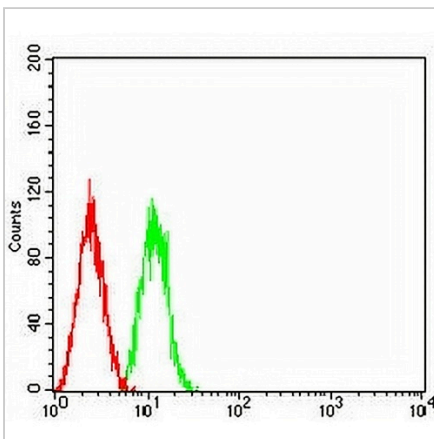
**DATA**



Western blot analysis of Tetraspanin 8 expression in HT29 (A) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 26 kD)



Immunohistochemical analysis of Tetraspanin 8 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Flow cytometric analysis of HepG2 cells using Anti-Tetraspanin 8 Antibody (green) and negative control (red).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.