

TMC8 Polyclonal Antibody
Catalog # AP72859**Specification**

TMC8 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	Q8IU68
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

TMC8 Polyclonal Antibody - Additional Information**Gene ID** 147138**Other Names**

TMC8; EVER2; EVIN2; Transmembrane channel-like protein 8; Epidermodysplasia verruciformis protein 2

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

TMC8 Polyclonal Antibody - Protein Information**Name** TMC8 ([HGNC:20474](#))**Function**

Acts as a regulatory protein involved in the regulation of numerous cellular processes (PubMed:18158319, PubMed:23429285, PubMed:30068544, PubMed:32917726). Together with its homolog TMC6/EVER1, forms a complex with calcium-binding protein CIB1 in lymphocytes and keratinocytes where TMC6 and TMC8 stabilize CIB1 levels and reciprocally (PubMed:30068544, PubMed:32917726). Together with TMC6, also forms a complex with and activates zinc transporter ZNT1 at the ER membrane of keratinocytes, thereby facilitating zinc uptake into the ER (PubMed:18158319). Also inhibits receptor-mediated calcium release from ER stores and calcium activated and volume regulated

chloride channels (PubMed:25220380). Down-regulates the activity of transcription factors induced by zinc and cytokines (PubMed:18158319). Also sequesters TRADD which impairs the recruitment of TRAF2 and RIPK1 in the pro-survival complex I and promotes proapoptotic complex II formation, and may therefore be involved in TNF-induced cell death/survival decisions (PubMed:23429285).

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Nucleus membrane; Multi-pass membrane protein. Note=Localizes to the ER, Golgi and nucleus membranes in keratinocytes.

Tissue Location

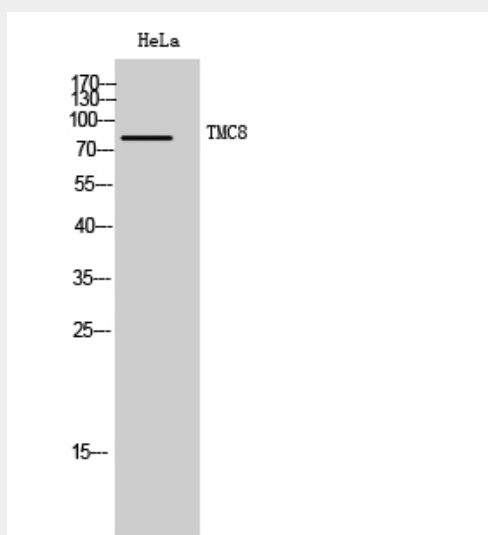
Expressed in placenta, prostate and testis.

TMC8 Polyclonal Antibody - Protocols

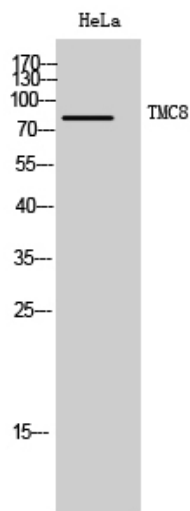
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TMC8 Polyclonal Antibody - Images



Western Blot analysis of HeLa cells using TMC8 Polyclonal Antibody. Secondary antibody was diluted at 1:20000



Western Blot analysis of HeLa cells using TMC8 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

TMC8 Polyclonal Antibody - Background

Probable ion channel.