

Rabbit anti-Human TMEM109 Polyclonal Antibody | anti-TMEM109 antibody

Anti-TMEM109 Antibody, Rabbit Polyclonal

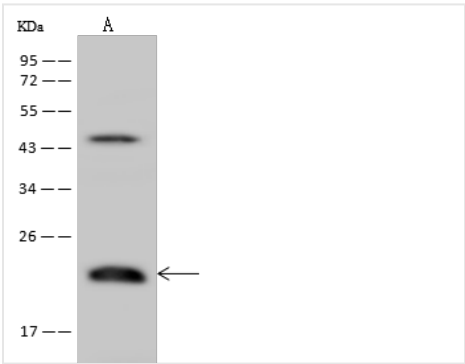
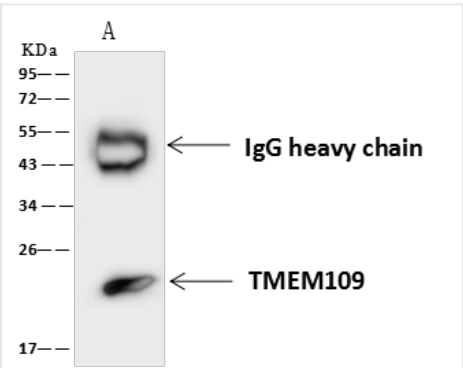
CATALOG # AAA256299	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

TMEM109; Polyclonal Antibody; Anti-TMEM109 Antibody; Rabbit Polyclonal; TMEM109 Antibody; Rabbit PAb; Antigen Affinity Purified; transmembrane protein 109; anti-TMEM109 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human TMEM109
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TMEM109 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human TMEM109 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human TMEM109 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
TMEM109 was immunoprecipitated using: Lane A: 0.5 mg U-251MG Whole Cell Lysate, 4 uL anti-TMEM109 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TMEM109 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 20 kDa. Observed band size: 20 kDa.

WB (Western Blot)
Anti-TMEM109 rabbit polyclonal antibody at 1:500 dilution. Lane A: U-251 MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 20 kDa. Observed band size: 22 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TMEM109 antibody	Transmembrane protein 109 is a protein that in humans is encoded by the TMEM109 gene. TMEM109 maps on chromosome 11, at 11q12.2, and is conserved in chimpanzee, dog, cow, mouse, and rat. The gene is also known as MGC5508, LOC79073. It has been described as transmembrane protein 109, mg23, mitsugumin-23. TMEM109 may mediate cellular response to DNA damage by protecting against ultraviolet C-induced cell death and can form voltage-gated calcium and potassium channels in vitro. TMEM109 is widely expressed in fat, lung, and other tissues. Diseases associated with TMEM109 include Spinal Cord Astrocytoma. 162 organisms have orthologs with the human gene TMEM109.
References	Yamazaki T, et al. (2010) Facilitation of DNA damage-induced apoptosis by endoplasmic reticulum protein mitsugumin23. Biochem Biophys Res Commun 392 (2): 196-200. Vecchione A, et al. (2007) Protein partners in the life history of activated fibroblast growth factor receptors. Proteomics 7 (24): 4565-4578. Knopf JD, et al. (2015) The stromal cell-surface protease fibroblast activation protein-alpha localizes to lipid rafts and is recruited to invadopodia. Biochim Biophys Acta 1853 (10 Pt A): 2515-2525.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.