

TMEM204 Antibody

Catalog # ASC11353

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9BSN7
Other Accession	NP_078876 , 112807182
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	24540
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	TMEM204 antibody can be used for detection of TMEM204 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

Additional Information

Gene ID	79652
Other Names	Transmembrane protein 204, Claudin-like protein 24, TMEM204, C16orf30, CLP24
Target/Specificity	TMEM204; At least two isoforms of TMEM204 are known to exist; this antibody will recognize both isoforms.
Reconstitution & Storage	TMEM204 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	TMEM204 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TMEM204
Synonyms	C16orf30, CLP24
Function	Can influence paracellular permeability. Appears to be involved in cell-cell interactions through adherens.
Cellular Location	Cell junction, adherens junction. Cell membrane; Multi-pass membrane protein. Note=Colocalizes with the beta-catenin adherins

Tissue Location

Highly expressed in lung, heart, kidney and placenta. Lower expression in thymus, spleen, liver, testis and ovary Expressed in endothelial and restricted epithelial cell populations

Background

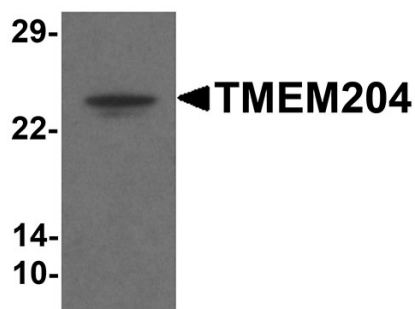
TMEM204 Antibody: Transmembrane protein 204 (TMEM204) is a four-transmembrane protein that is induced under hypoxic conditions. It localizes to cell-cell junctions and co-localizes with the beta-catenin adherens junction-associated protein, but not with tight junctions. Overexpression of TMEM204 results in decreased adhesion between cells, indicating that TMEM204 is an adherens junction protein that modulates cell adhesion and potentially angiogenesis. Recent evidence suggests TMEM204 may also be involved in epilepsy.

References

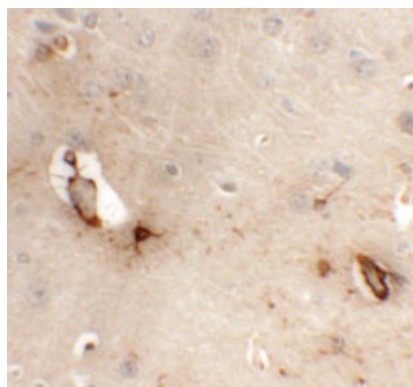
Kearsey J, Petit S, De Oliveira C, et al. A novel four transmembrane spanning protein, CLP24. Eur. J. Biochem. 204; 271:2584-92.

Stefaniuk M and Lukasiuk K. Cloning of expressed sequence tags (ESTs) representing putative epileptogenesis-related genes and the localization of their expression in the normal brain. Neurosci. Lett. 2010; 482:230-4

Images

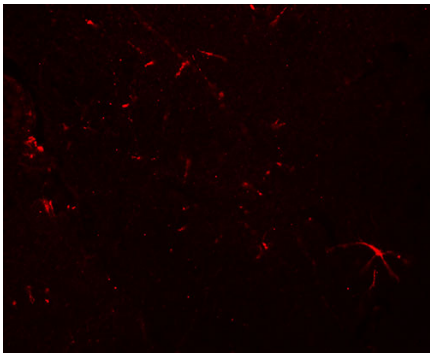


Western blot analysis of TMEM204 in human brain tissue lysate with TMEM204 antibody at 1 µg/mL .



Immunohistochemistry of TMEM204 in mouse brain tissue with TMEM204 antibody at 5 µg/mL.

Immunofluorescence of TMEM204 in mouse brain tissue with TMEM204 antibody at 20 µg/mL.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.