

Anti-PANX1 Antibody (7M252)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7M252
Purification:	Affinity-chromatography

Applications

Verified Activity:

1. IHC image of TMAH-00852 diluted at 1:50 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.1:50% DAB.
2. IHC image of TMAH-00852 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.1:50% DAB.
3. Immunofluorescence staining of U251 with TMAH-00852 at 1:10, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 502-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).
4. Overlay Peak curve showing A549 cells surface stained with TMAH-00852 (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶ cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Application:	ELISA, IHC, IF, FCM
Recommended	IHC:1:50-1:200; IF:1:50-1:200; FCM:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: A synthetic peptide: Human PANX1
Antigen Species: Human
Gene ID: 24145
Uniprot ID: Q96RD7
Synonyms: MRS1;Pannexin-1;PANX 1
Biology Area: Neuroscience

Research Background

Structural component of the gap junctions and the hemichannels involved in the ATP release and nucleotide permeation. May play a role as a Ca(2+)-leak channel to regulate ER Ca(2+) homeostasis. Plays a critical role in oogenesis.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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