Data Sheet (Cat.No.TMAH-00131)

Anti-Carbonic Anhydrase 1 Antibody (8N840)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8N840
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. Western Blot -Positive WB detected in: K562 whole cell lysate,U937 whole cell lysate -All lanes: Ikaros antibody at 1:1000 -Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution -Predicted band size: 28 kDa -Observed band size: 28 kDa 2. IHC image of TMAH-00131 diluted at 1:50 and staining in paraffin-embedded human spleen tissue performed on a Leica BondTM 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 0.36% DAB. 3. Overlay Peak curve showing MCF-7 cells stained with TMAH-00131 (red line) at 1:50. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10^6 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*10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, WB, IHC, FCM
Recommended	WB:1:500-1:2000; IHC: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 CA1
Antigen Species:	Human
Gene ID:	759
Uniprot ID:	P00915
Biology Area:	Cardiovascular, Cell biology

Research Background

Reversible hydration of carbon dioxide. Can hydrates cyanamide to urea.

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