Data Sheet (Cat.No.TMAH-00808)

Anti-NDUFS4 Antibody (8J849)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8J849
Purification:	Affinity-chromatography

Applications

Verified Activity:	1. IHC image of TMAH-00808 diluted at 1:100 and staining in paraffin-embedded human small intestine 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 0.05% DAB. 2. Overlay Peak curve showing MCF7 cells stained with TMAH-00808 (red line) at 1:100. 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 (1ug/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 (1ug/1*10^6 cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, IHC, FCM
Recommended	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 NDUFS4
Antigen Species:	Human
Gene ID:	4724
Uniprot ID:	O43181
Synonyms:	NADH-ubiquinone oxidoreductase 18 kDa subunit;NADH dehydrogenase [ubiquinone] iron-sulfur protein 4;Complex I-18 kDa;mitochondrial;NDUFS 4;CI-18 kDa;CI-AQDQ;Complex I-AQDQ
Biology Area:	Neuroscience, Cancer, Metabolism, Signal transduction

Research Background

Accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory

chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.