

Anti-MARK2 Antibody (5N875)

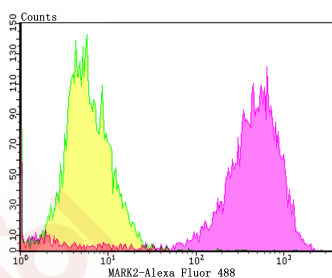
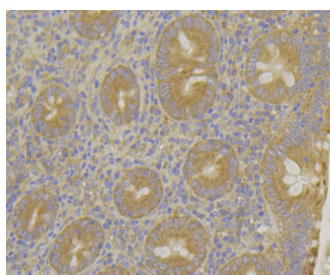
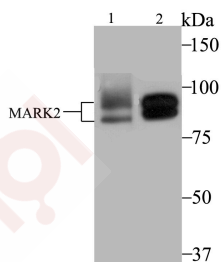
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 77/88 kDa.
Clone:	5N875
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of MARK2 on MCF-7 (1) and SK-Br-3 (2) cell lysate using anti-MARK2 antibody at 1/2,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human appendix tissue using anti-MARK2 antibody. Counter stained with hematoxylin.
3. Flow cytometric analysis of MCF-7 cells with MARK2 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



Application:	FCM,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:50-200; FCM: 1:50-100

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: Recombinant Protein: near the C-terminus of human MARK2

Antigen Species: Human

Uniprot ID: Q7KZI7

Synonyms: MARK2_HUMAN;ELKL motif kinase;EMK-1;Serine/threonine-protein kinase MARK2;ELKL motif kinase 1;Par1b;MAP/microtubule affinity-regulating kinase 2;PAR1 homolog;EMK1;Par 1b;PAR 1;Mark 2;Ser/Thr protein kinase PAR 1B;MGC99619;Serine/threonine protein kinase EMK; MAP/microtubule affinity regulating kinase 2;Serine/threonine protein kinase MARK2

Research Background

Microtubule affinity-regulating kinase 2 (MARK2), also known as EMK1 (ELKL motif kinase 1) or Par1b, is a 788 amino acid protein that is a member of the protein kinase superfamily, MARK subfamily. Highly expressed in heart, brain, skeletal muscle and pancreas, MARK2 is essential for the asymmetric development of membrane domains around polarized epithelial cells. Activation of MARK2 by phosphorylation on Thr 208 allows the protein to modulate the building of a columnar versus a hepatic epithelial cell. MARK2 contains one KA1 (kinase-associated) domain, one protein kinase domain and one UBA domain. MARK2 is expressed as 14 isoforms produced by alternative splicing events. Some of these isoforms may function in graft rejection.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481