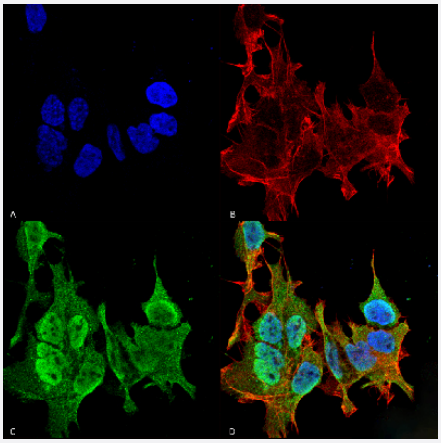
ANK2 monoclonal antibody, clone S105-13 (APC)

Catalog # MAB16996 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemical staining of SK-N-BE with ANK2 monoclonal antibody, clone S105-13 (APC) (Cat # MAB16996). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ANK2 Antibody and (D) Composite.

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of human ANK2.
Immunogen	A synthetic peptide corresponding to amino acids 203-496 of human ANK2.
Host	Mouse
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein G purification
Isotype	IgG1

Recommend Usage	Immunocytochemistry (1:200) Immunofluorescence (1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at -20°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunocytochemistry

  Immunocytochemical staining of SK-N-BE with ANK2 monoclonal antibody, clone S105-13 (APC) (Cat # MAB16996). (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) ANK2 Antibody and (D) Composite.
- Immunofluorescence

Gene Info — ANK2

Entrez GeneID	287
Protein Accession#	Q01484
Gene Name	ANK2
Gene Alias	DKFZp686M09125, DKFZp686P0948, FLJ38277, LQT4
Gene Description	ankyrin 2, neuronal
Omim ID	106410 600919
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a member of the ankyrin family of proteins that link the integral membrane prot eins to the underlying spectrin-actin cytoskeleton. Ankyrins play key roles in activities such as cell motility, activation, proliferation, contact and the maintenance of specialized membrane domains. Most ankyrins are typically composed of three structural domains: an amino-terminal domain cont aining multiple ankyrin repeats; a central region with a highly conserved spectrin binding domain; and a carboxy-terminal regulatory domain which is the least conserved and subject to variation. Th e protein encoded by this gene is required for targeting and stability of Na/Ca exchanger 1 in card iomyocytes. Mutations in this gene cause long QT syndrome 4. Multiple transcript variants encodi ng different isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000163834|ankyrin 2|ankyrin B|ankyrin, brain|ankyrin, nonerythroid|ankyrin-2, nonery throcytic|brank-2

Publication Reference

- Spectrin and ankyrin-based pathways: metazoan inventions for integrating cells into tissues.

  Bennett V, Baines AJ.

  Physiological Reviews 2001 Jul; 81(3):1353.

Disease

- Alcoholism
- Cardiovascular Diseases
- Death
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Heart Arrest
- Heart Defects
- Long QT syndrome
- Neoplasm Invasiveness
- Prostatic Neoplasms
- Syncope

- Tobacco Use Disorder
- Torsades de Pointes