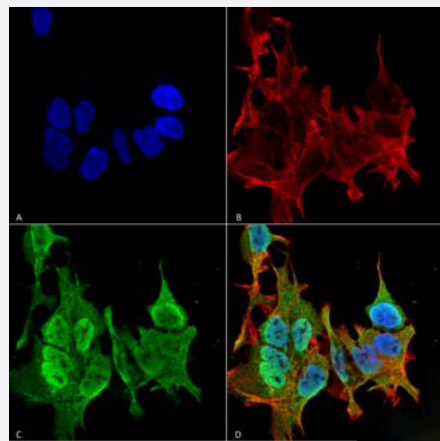


ANK2 monoclonal antibody, clone S105-13 (RPE)

Catalog # MAB18252 Size 100 ug

Applications



Immunocytochemistry

Immunocytochemical staining of SK-N-BE with ANK2 monoclonal antibody, clone S105-13 (RPE) (Cat # MAB18252). (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	RPE
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 should 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 (RPE) (Cat # MAB18252). (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 proteins 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 containing 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. The protein encoded by this gene is required for targeting and stability of Na/Ca exchanger 1 in cardiomyocytes. Mutations in this gene cause long QT syndrome 4. Multiple transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations

OTTHUMP00000163834|ankyrin 2|ankyrin B|ankyrin, brain|ankyrin, nonerythroid|ankyrin-2, nonerythrocytic|brank-2

Disease

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- [Long QT syndrome](#)
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- [Prostatic Neoplasms](#)
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- [Torsades de Pointes](#)