



Rabbit Anti-Human Sidekick 2 polyclonal antibody (CABT-L2484)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	KLH conjugated synthetic peptide derived from human Sidekick 2. (Extracellular domain, aa 1401-1500)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA Recommended dilution: ELISA: 1:500-1000
Format	Liquid
Concentration	Lot specific
Size	50 µl
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Preservative	None
Storage	Long Term: -20°C. Avoid repeated freezing and thawing.
Ship	Wet ice

BACKGROUND

Introduction

Sidekick-2 (SDK2), also known as KIAA1514, is a 2,172 amino acid single-pass type I membrane protein containing thirteen fibronectin type-III domains and six Ig-like C2-type (immunoglobulin-like) domains. Acting as a cell adhesion protein, Sidekick-2 guides axonal terminals to synapses in developing neurons. Sidekick-2 may require the interaction with MAGI scaffolding proteins for proper localization and function. Existing as four alternatively spliced isoforms, the gene encoding Sidekick-2 maps to human chromosome 17q25.1. Chromosome 17 makes up over 2.5% of the human genome with about 81 million bases encoding over 1,200 genes. Neurofibromatosis, a condition characterized by neural and epidermal lesions, and dysregulated Schwann cell growth have been linked to chromosome 17. Alexander disease, Birt-Hogg-Dube syndrome and Canavan disease are also associated with chromosome 17.

Keywords

SDK2; sidekick cell adhesion molecule 2; protein sidekick-2; sidekick homolog 2;

GENE INFORMATION

Gene Name	SDK2
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Entrez Gene ID	54549
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UniProt ID	Q58EX2
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