

Human KIF5B peptide ab41782

Description

Product name	Human KIF5B peptide
Purity	> 70 % HPLC. Peptides are analyzed by Reverse-Phase HPLC (RP-HPLC) in order to determine purity. Identities are confirmed by MALDI-MS.
Accession	<u>P33176</u>
Animal free	No
Nature	Synthetic
Species	Human
Sequence	CIDEQFDKEKANLEAFTVDKDI
Amino acids	376 to 396

Specifications

Our **Abpromise guarantee** covers the use of **ab41782** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Neutralising ELISA Blocking - Blocking peptide for Anti-KIF5B antibody (<u>ab5629</u>)
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
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General Info

Function	Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes.
Sequence similarities	Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin subfamily. Contains 1 kinesin motor domain.
Domain	Composed of three structural domains: a large globular N-terminal domain which is responsible

for the motor activity of kinesin (it hydrolyzes ATP and binds microtubule), a central alpha-helical coiled coil domain that mediates the heavy chain dimerization; and a small globular C-terminal domain which interacts with other proteins (such as the kinesin light chains), vesicles and membranous organelles.

Cellular localization

Cytoplasm, cytoskeleton. Uniformly distributed between soma and neurites in hippocampal neurons.

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