

## Product datasheet

### Human KIF5B peptide ab41782

#### Description

---

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

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

#### Preparation and Storage

---

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

#### General Info

---

<b>Function</b>	Microtubule-dependent motor required for normal distribution of mitochondria and lysosomes.
<b>Sequence similarities</b>	Belongs to the TRAFAC class myosin-kinesin ATPase superfamily. Kinesin family. Kinesin subfamily. Contains 1 kinesin motor domain.
<b>Domain</b>	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.

---

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors