

KChIP4 Antibody Blocking peptide
Catalog # BP1574b**Specification**

KChIP4 Antibody Blocking peptide - Product InformationPrimary Accession [O6PIL6](#)**KChIP4 Antibody Blocking peptide - Additional Information**

Gene ID 80333

Other Names

Kv channel-interacting protein 4, KCHIP4, A-type potassium channel modulatory protein 4, Calsenilin-like protein, Potassium channel-interacting protein 4, KCNIP4, CALP, KCHIP4

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

KChIP4 Antibody Blocking peptide - Protein Information

Name KCNIP4

Synonyms CALP, KCHIP4

Function

Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Modulates KCND2 channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific

manner (PubMed:11847232, PubMed:18957440, PubMed:23576435). Modulates KCND3/Kv4.3 currents (PubMed:23576435). Isoform 4 does not increase KCND2 expression at the cell membrane (PubMed:18957440). Isoform 4 retains KCND3 in the endoplasmic reticulum and negatively regulates its expression at the cell membrane.

Cellular Location

Cell membrane; Peripheral membrane protein. Cytoplasm

Tissue Location

Predominantly expressed in brain.

KChIP4 Antibody Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)