

**KRT8 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8542c****Specification**

---

**KRT8 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P05787](#)**KRT8 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3856**Other Names**

Keratin, type II cytoskeletal 8, Cytokeratin-8, CK-8, Keratin-8, K8, Type-II keratin Kb8, KRT8, CYK8

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8542c](/products/AP8542c) was selected from the Center region of human KRT8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**KRT8 Antibody (Center) Blocking Peptide - Protein Information****Name** KRT8**Synonyms** CYK8**Function**

Required for the formation of KRT8/KRT18 filaments that are involved in ARHGEF40-mediated actin stress fiber formation and tensional force-induced stress fiber formation and reinforcement (PubMed: <http://www.uniprot.org/citations/26823019>). Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

**Cellular Location**

Cytoplasm. Nucleus, nucleoplasm {ECO:0000250|UniProtKB:Q10758}. Nucleus matrix {ECO:0000250|UniProtKB:Q10758}. Cytoplasm, cytoskeleton

**Tissue Location**

Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.

**KRT8 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**KRT8 Antibody (Center) Blocking Peptide - Images****KRT8 Antibody (Center) Blocking Peptide - Background**

KRT8 typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation.

**KRT8 Antibody (Center) Blocking Peptide - References**

He, T., et.al., J. Biol. Chem. 277 (13), 10767-10774 (2002)