10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

K2C78 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9856c

Specification

K2C78 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q8N1N4

K2C78 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 196374

Other Names
Keratin, type II cytoskeletal 78, Cytokeratin-78, CK-78, Keratin-5b, Keratin-78, K78, Type-II keratin Kb40, KRT78, K5B, KB40

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.

K2C78 Antibody (Center) Blocking Peptide - Protein Information

Name KRT78

Synonyms K5B, KB40

Tissue Location
In non-keratinising esophageal and vaginal epithelium, strongly expressed in the basal and parabasal/lower suprabasal cell layers with considerably decreased expression in the mid/upper suprabasal layers (at protein level) (PubMed:26340985). A similar gradient from basal to lower suprabasal layers is seen in the partially keratinised dorsal tongue epithelium, in the scalp and in the plantar epidermis (at protein level) (PubMed:26340985). Extension of expression into the suprabasal compartments is distinctly more pronounced in non-keratinising epithelia than in keratinising epithelia and epidermis (at protein level) (PubMed:26340985). In scalp sections, present in the interfollicular epidermis and infundibulum including the entire outer root sheath of the hair follicles and also in the sebocytes (at protein level) (PubMed:26340985). In sweat glands, expressed in peripheral and luminal cells of the lower duct and in peripheral cells of the middle/upper duct with no expression observed in luminal cells (at protein level) (PubMed:26340985). In embryos at the 14th week of pregnancy, detected in basal and parabasal layers but is absent from the uppermost epidermal layer (at protein level) (PubMed:26340985). Expressed in tongue epithelium (PubMed:15737194)

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K2C78 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

K2C78 Antibody (Center) Blocking Peptide - Images

K2C78 Antibody (Center) Blocking Peptide - Background

This gene is a member of the type II keratin gene family and encodes a protein with an intermediate filament domain. Keratins are the major structural proteins in epithelial cells, forming a cytoplasmic network of 10 to 12 nm wide intermediate filaments and creating a scaffold that gives cells the ability to withstand mechanical and non-mechanical stresses. The genes of the type II keratin family are located as a gene cluster at 12p13.13. Four pseudogenes of this gene family have been identified.

K2C78 Antibody (Center) Blocking Peptide - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Schweizer, J., et al. J. Cell Biol. 174(2):169-174(2006)Rogers, M.A., et al. J. Invest. Dermatol. 124(3):536-544(2005)Hesse, M., et al. Eur. J. Cell Biol. 83(1):19-26(2004)Coulombe, P.A., et al. Curr. Opin. Cell Biol. 14(1):110-122(2002)