

## 10-7596: Monoclonal antibody to KRT77 (Clone: ABM5G22)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM5G22
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	KRT77
<b>Gene ID :</b>	374454
<b>Uniprot ID :</b>	Q7Z794
<b>Format :</b>	Purified
<b>Alternative Name :</b>	KRT77,KRT1B
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A partial length recombinant protein of KRT77 (amino acid 133-346) was used as the immunogen for this antibody.

### Description

In contrast to actin filaments and microtubules, keratins are encoded by a large family of genes clustered at two divergent chromosomal sites: 17q21.2 (type I keratins, except K18) and 12q13.13 (type II keratins, including K18). These are also expressed in tissue and differentiation state-specific manner and play an important role in protecting epithelial cells from mechanical and non-mechanical stress and injury. KRT77, also known as K1B, is a novel human type II epithelial keratin, which is exclusively expressed in luminal duct cells of eccrine sweat glands. Like other type II keratins, KRT77 has N- and C-terminal domains and a central rod domain consisting of 4 alpha-helical regions separated by 3 nonhelical linker sequences. In addition, it has numerous GGG and GGX repeats in its head and tail domains. KRT77 is ideally suited for investigations on the origin of benign and malignant tumors, such as poromas, syringomas, cylindromas, and spiradenomas that arise from the eccrine sweat gland.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml

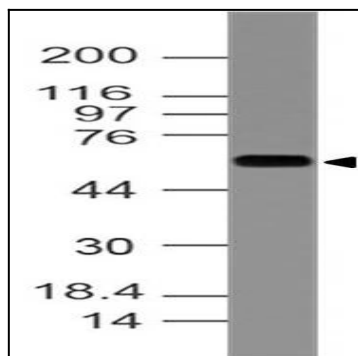


Fig:1- Expression analysis of KRT77. Anti-KRT77 antibody (Clone: ABM5G22) was tested at 2 µg/ml on A431 lysate.