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

Cytokeratin 19 (8Q2) Rabbit Monoclonal Antibody

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Catalog # AP93785

Product Information

Application	WB, IHC-P
Primary Accession	P19001
Reactivity	Mouse
Clonality	Monoclonal
Calculated MW	44542

Additional Information

Gene ID	16669
Other Names	Keratin, type I cytoskeletal 19, Cytokeratin-19, CK-19, Keratin-19, K19, Krt19, Krt1-19
Dilution	WB~~1:1000 IHC-P~~N/A
Storage Conditions	-20℃

Protein Information

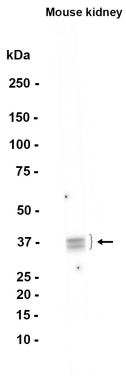
Name	Krt19 {ECO:0000312|MGI:MGI:96693}
Synonyms	Krt1-19
Function	Structural component of intermediate filaments in epithelial cells. Forms intermediate filaments by heterodimerizing with the type II keratin KRT8, providing mechanical integrity to epithelial cells (By similarity). Integrates into the intermediate filament network of skeletal muscle fibers alongside desmin and KRT18, contributing to force transmission (PubMed:31721615). Specifically interacts with the actin-binding domain of dystrophin, helping to link the contractile apparatus to dystrophin at the costameres of striated muscle (By similarity).
Tissue Location	Expressed in skeletal muscle.

Background

The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a

basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]

Images



Western blot analysis of extracts from Mouse kidney tissue using AP93785 at 1:1000.

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