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Datasheet for ABIN7505360

Cytokeratin 7 Protein (AA 80-375) (His tag)

Overview

Quantity:	100 µg
Target:	Cytokeratin 7 (KRT7)
Protein Characteristics:	AA 80-375
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Cytokeratin 7 protein is labelled with His tag.

Product Details

Sequence:	Gln80-Thr375
Characteristics:	A DNA sequence encoding the Mouse KRT7 (Q9DCV7-1) (Gln80-Thr375) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Cytokeratin 7 (KRT7)
Alternative Name:	KRT7 (KRT7 Products)
Background:	Abbreviation: KRT7 Target Synonym: CK 7,CK-7,CK7,Cytokeratin 7,Cytokeratin-7,D15Wsu77e,K2C7,K2C7,K7,Keratin 7,Keratin 7,type II,Keratin type II cytoskeletal 7,Keratin,55K type II cytoskeletal,Keratin, simple epithelial,Keratin, simple epithelial type I,K7,Keratin,type II cytoskeletal 7,Keratin-7,Krt2-

Target Details

7,KRT7,MGC11625,MGC129731,MGC3625,Sarcolectin,SCL,Type II mesothelial keratin K7,Type-II keratin Kb7

Background: Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells, which are classified into two major sequence types. Type I keratins are a group of acidic intermediate filament proteins, including K9-K23, and the hair keratins Ha1-Ha8. Type II keratins are the basic or neutral counterparts to the acidic type I keratins, including K1-K8, and the hair keratins, Hb1-Hb6. KRT7, also named as cytokeratin 7, is one member of type II basic cytokeratin. It is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels, and their neoplasms. KRT7 is marker of epithelial tissues, but not present in carcinomas of stratified squamous cell origin. This antibody is specifically against KRT7.

Molecular Weight: Calculated MW: 34.1 kDa
Observed MW: 36.4 kDa

UniProt: [Q9DCV7-1](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months