

Datasheet for ABIN2464042

anti-Cytokeratin 5 antibody (truncated)**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mL
Target:	Cytokeratin 5 (KRT5)
Binding Specificity:	truncated
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Ni-NTA purified truncated recombinant CK5-Trx-His expressed in E. Coli strain BL21 (DE3).
Clone:	3E2F1
Isotype:	IgG1

Target Details

Target:	Cytokeratin 5 (KRT5)
Alternative Name:	Cytokeratin5 (KRT5 Products)
Background:	CK5 (keratin 5) is a member of the keratin gene family. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial

Target Details

tissues. This type II cytokeratin is specifically expressed in the basal layer of the epidermis with family member KRT14. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Cytokeratin 5 is expressed in normal basal cells. Mutations of the Cytokeratin5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa (EB). Defects in KRT5 are a cause of epidermolysis bullosa simplex.

Gene ID: 3852

UniProt: [P13647](#)

Application Details

Application Notes: Western Blot:1:500 - 1:2,000
IHC(P):1:500 - 1:2,000
ELISA:Propose dilution 1:10,000.
Determining optimal working dilutions by titration test.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

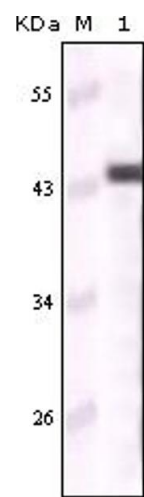
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

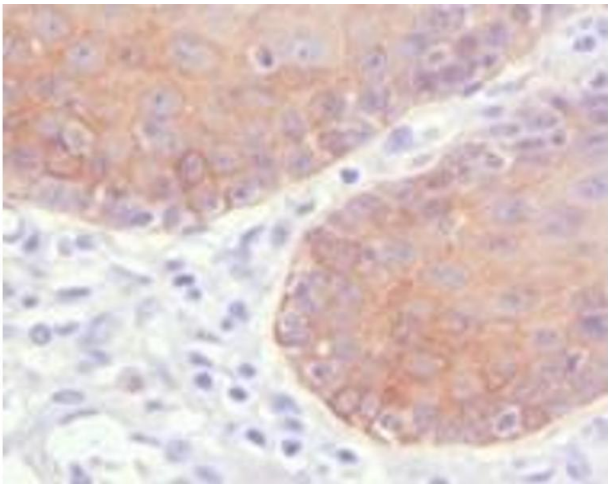
Storage: -20 °C

Storage Comment: Cytokeratin 5 monoclonal antibody can be stored at -20 °C, stable for one year.



Western Blotting

Image 1.



Immunohistochemistry

Image 2.