

Datasheet for ABIN5557444

anti-KRT4 antibody

4 Images

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Overview

Quantity:	100 µL
Target:	KRT4
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This KRT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	Recombinant human Cytokeratin 4 protein, around 350-480aa.
Clone:	2F9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	KRT4
Alternative Name:	Cytokeratin 4 (KRT4 Products)
Background:	Synonyms: Keratin, type II cytoskeletal 4, KRT4

Target Details

Background: Defects in KRT4 are a cause of white sponge nevus of cannon (WSN) [MIM:193900]. WSN is a rare autosomal dominant disorder which predominantly affects non-cornified stratified squamous epithelia. Clinically, it is characterized by the presence of soft, white, and spongy plaques in the oral mucosa. The characteristic histopathologic features are epithelial thickening, parakeratosis, and vacuolization of the suprabasal layer of oral epithelial keratinocytes. Less frequently the mucous membranes of the nose, esophagus, genitalia and rectum are involved.

Gene ID: 3851

UniProt: [P19013](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.

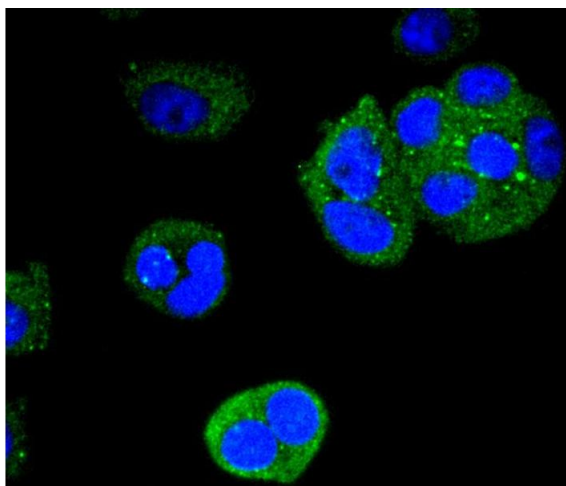
Preservative: ProClin

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

Storage: 4 °C,-20 °C

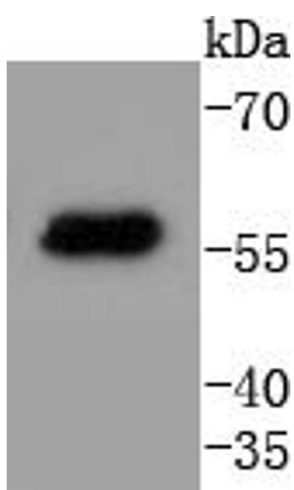
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months



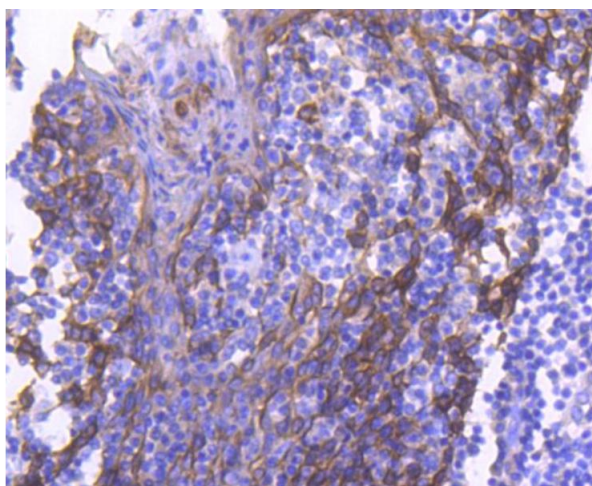
Immunofluorescence (Cultured Cells)

Image 1. MCF-7 cells were stained with Cytokeratin 4 (2F9) Monoclonal Antibody at [1:200] incubated overnight at 4°C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.



Western Blotting

Image 2. 293T cell lysates probed with Cytokeratin 4 (2F9) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Paraformaldehyde-fixed, paraffin embedded human tonsil, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer at 37°C for 20min, Antibody incubation with Cytokeratin 4 (2F9) Monoclonal Antibody at 1:50 overnight at 4°C, followed by a conjugated secondary and DAB staining.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5557444.