

Catalog #: 52608

Aliases

KRT14; Keratin 14; Keratin, Type I Cytoskeletal 14; Keratin 14, Type I; EBS3; EBS4; K14; Keratin 14 (Epidermolysis Bullosa Simplex, Dowling-Meara, Koebner); Epidermolysis Bullosa Simplex, Dowling-Meara, Koebner; Cytokeratin 14; Cytokeratin-14; Keratin-14; EBS1A; EBS1B; EBS1C; EBS1D; CK-14; CK14; EBS1; NFJ

Background

Gene Name: KRT14

NCBI Gene Entry: [3861](#)

UniProt Entry: [P02533](#)

Application Information

Molecular Weight: Predicted, 51 kDa, observed, 52 kDa

Clonality: Rabbit polyclonal antibody

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human KRT14

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS containing 50% glycerol, 0.5% BSA and 0.04% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

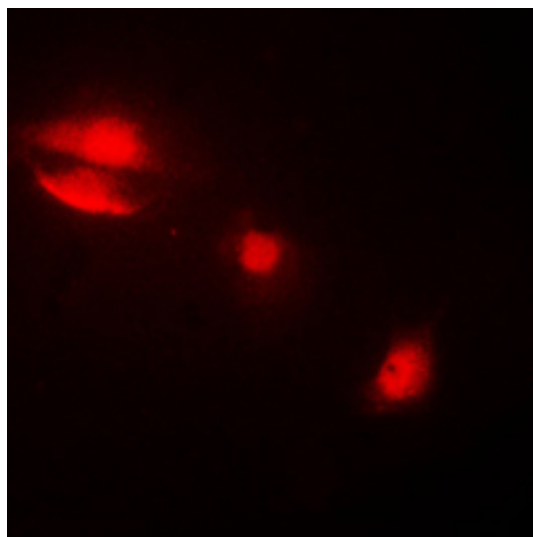
Western Blotting (WB): 1:500-1:1,000

Immunohistochemistry (IHC): 1:100-1:200

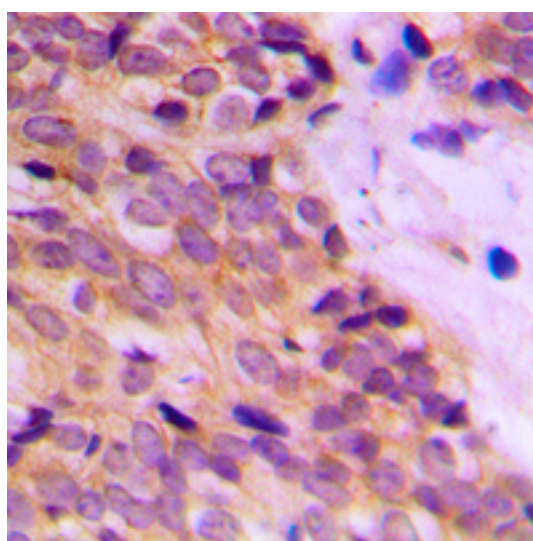
Immunocytochemistry (IC): 1:100-1:500

Note: This product is for research use only.

Validation Data



Immunofluorescent analysis of Cytokeratin 14 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of Cytokeratin 14 staining in human breast cancer formalin fixed paraffin embedded tissue

SUPPORT

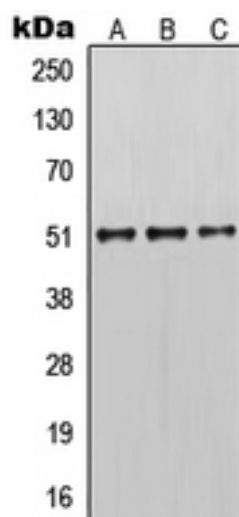
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section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western blotting analysis of Cytokeratin 14 expression in MCF7 (A), mouse brain (B), rat brain (C) whole cell lysates.