Anti-Claudin 1 Rabbit Polyclonal Antibody

Catalog #: 50777

Aliases

CLD1; SEMP1; Claudin-1; Senescence-associated epithelial membrane protein

Background

Gene Name: CLDN1
NCBI Gene Entry: 9076
UniProt Entry: O95832

Application Information

Molecular Weight: Predicted, 22 kDa; observed, 22 kDa
Clonality: Rabbit polyclonal antibody
Species Reactivity: Human, mouse, rat, bovine, dog, sheep
Applications Tested: Western blotting (WB), immunohistochemistry (IHC), immunocytochemistry (IC)

Immunogen

A synthesized peptide derived from human Claudin 1

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.3) containing 30% glycerol, and 0.01% sodium azide.

Storage

Store at -20 °C for one year.

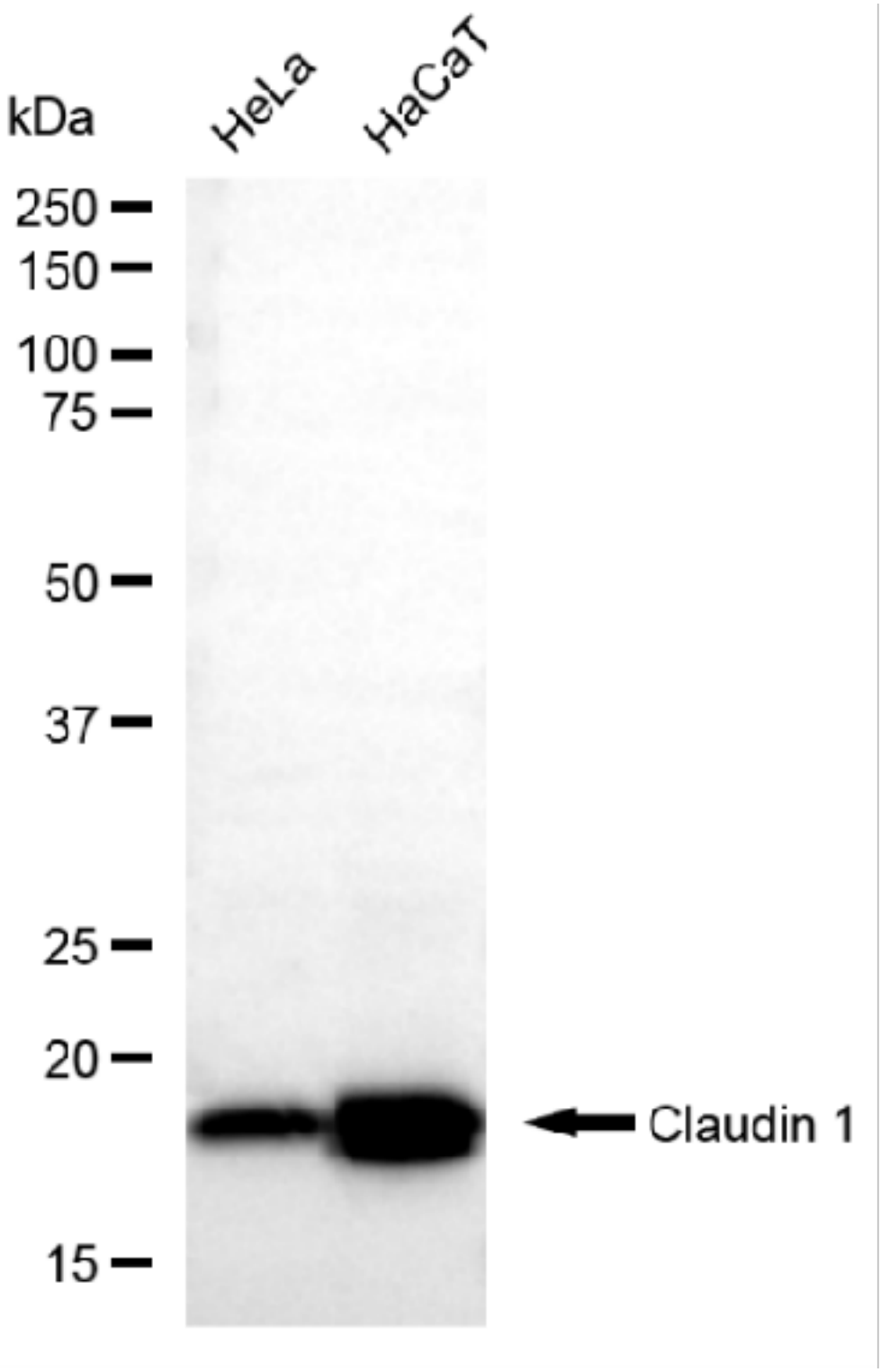
Recommended Dilutions

Western Blotting (WB): 1:500-1:1,000
Immunohistochemistry (IHC): 1:50-1:100
Immunocytochemistry (IC): 1:50-1:200

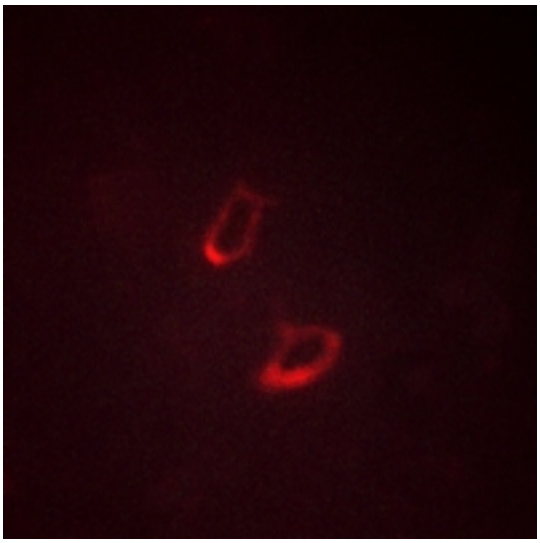
Note: This product is for research use only.

Validation Data

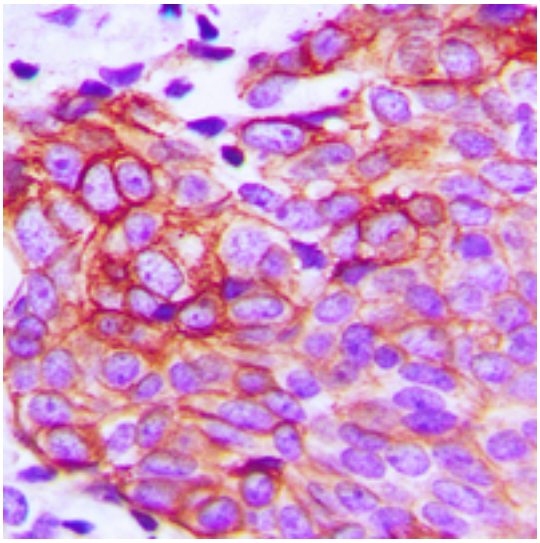
Anti-Claudin 1 Rabbit Polyclonal Antibody



Western blotting analysis using anti-Claudin 1 antibody (Cat#50777). Total lysates (30 µg) were loaded and separated by SDS-PAGE. The blot was incubated with anti-Claudin 1 antibody (Cat#50777, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Immunocytochemical analysis of Claudin 1 staining in HeLa 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 hidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of Claudin 1 staining in human breast cancer formalin fixed paraffin embedded tissue 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.