

Rabbit Cytokeratin 14/16 Polyclonal Antibody | anti-KRT14 antibody

Rabbit anti-Cytokeratin 14/16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA222495	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

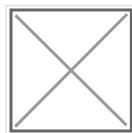
PRODUCT SYNONYMS

Cytokeratin 14/16; Polyclonal Antibody; Rabbit anti-Cytokeratin 14/16 Antibody; KRT14; Keratin; type I cytoskeletal 14; Cytokeratin-14; CK-14; Keratin-14; K14; KRT16; KRT16A; type I cytoskeletal 16; Cytokeratin-16; CK-16; Keratin-16; K16; anti-KRT14 antibody

PRODUCT SPECIFICATIONS

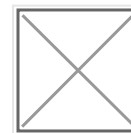
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-KRT14 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human Cytokeratin 14. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



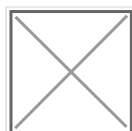
IF (Immunofluorescence)

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.



IHC (Immunohistochemistry)

Immunohistochemical analysis of Cytokeratin 14 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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Product Categories/Family for anti-KRT14 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229463044
NCBI GeneID	3861
UniProt Accession #	P02533; P08779; Q61781; Q9Z2K1; Q6IFV1
Molecular Weight	472
NCBI Official Full Name	Keratin, type I cytoskeletal 14
NCBI Official Synonym Full Names	keratin 14
NCBI Official Symbol	KRT14
NCBI Official Synonym Symbols	K14; NFJ; CK14; EBS3; EBS4
NCBI Protein Information	keratin, type I cytoskeletal 14; CK-14; keratin-14; cytokeratin 14; cytokeratin-14; keratin 14 (epidermolysis bullosa simplex, Dowling-Meara, Koebner)
UniProt Protein Name	Keratin, type I cytoskeletal 14
UniProt Gene Name	KRT14
UniProt Synonym Gene Names	CK-14; K14
UniProt Entry Name	K1C14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.