

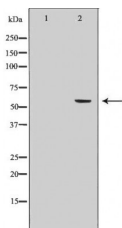
Keratin 14 Ab

Cat.#: AF5225
 Size: 100ul,200ul

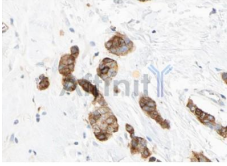
Concn.: 1mg/ml
 Source: Rabbit

Mol.Wt.: 52 kDa
 Clonality: Polyclonal

Application:	WB 1:500-1:2000,IHC 1:50-1:200,IF 1:100-1:500
Reactivity:	Human,Mouse,Rat
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Specificity:	Keratin 14 Ab detects endogenous levels of total Keratin 14.
Immunogen:	A synthesized peptide derived from human Keratin 14.
Uniprot:	P02533
Description:	The nonhelical tail domain is involved in promoting KRT5-KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro.
Subcellular Location:	Cytoplasm. Nucleus. Expressed in both as a filamentous pattern.
Tissue Specificity:	Detected in the basal layer, lowered within the more apically located layers specifically in the stratum spinosum, stratum granulosum but is not detected in stratum corneum. Strongly expressed in the outer root sheath of anagen follicles but not in the germinative matrix, inner root sheath or hair. Found in keratinocytes surrounding the club hair during telogen.
Similarity:	Belongs to the intermediate filament family.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



Western blot analysis of Keratin 14 Ab expression in NIH-3T3 cells lysates.The lane on the left was treated with the antigen-specific peptide.



AF5225 at 1/100 staining human breast tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF5225 staining haCat cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Red), diluted at 1/600, was used as secondary Ab.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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