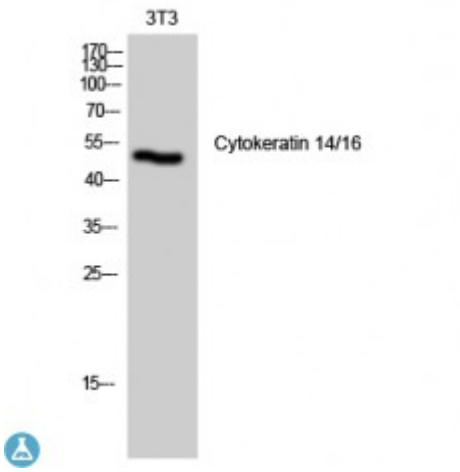
Anti-Cytokeratin 14/16 antibody



Description	Rabbit polyclonal to Cytokeratin 14/16.

Model	STJ92627
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Cytokeratin 14/16
Immunogen Region	1-80 aa, N-terminal
Gene ID	3861
Gene Symbol	KRT14
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Cytokeratin 14/16 Polyclonal Antibody detects endogenous levels of Cytokeratin 14/16 protein.
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.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Keratin, type I cytoskeletal 14 Cytokeratin-14 CK-14 Keratin-14 K14

Molecular Weight	52 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6416OMIM:125595
Alternative Names	Keratin, type I cytoskeletal 14 Cytokeratin-14 CK-14 Keratin-14 K14
Function	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.
Cellular Localization	Cytoplasm. Nucleus. Expressed in both as a filamentous pattern.
Post-translational Modifications	A disulfide bond is formed between rather than within filaments and promotes the formation of a keratin filament cage around the nucleus.; Ubiquitinated by the BCR(KLHL24) E3 ubiquitin ligase complex.