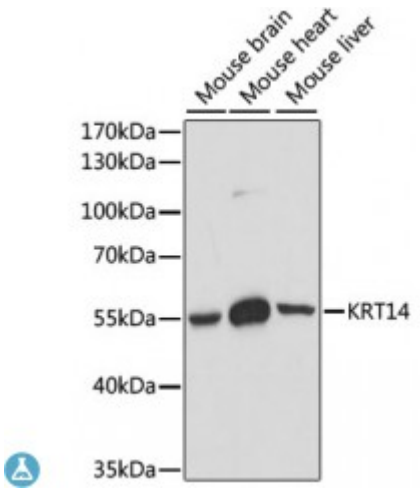
Anti-KRT14 Antibody



Description	This gene encodes a member of the keratin family, the most diverse group of intermediate filaments. This gene product, a type I keratin, is usually found as a heterotetramer with two keratin 5 molecules, a type II keratin. Together they form the cytoskeleton of epithelial cells. Mutations in the genes for these keratins are associated with epidermolysis bullosa simplex. At least one pseudogene has been identified at 17p12-p11.
Model	STJ117263
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of human KRT14 (NP_000517.2).
Gene ID	3861
Gene Symbol	KRT14
Dilution range	WB 1:500 - 1:2000
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	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Keratin type I cytoskeletal 14 Cytokeratin-14 CK-14 Keratin-14 K14
Molecular Weight	51.561 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:6416OMIM:125595Reactome:R-HSA-446107
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,
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

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