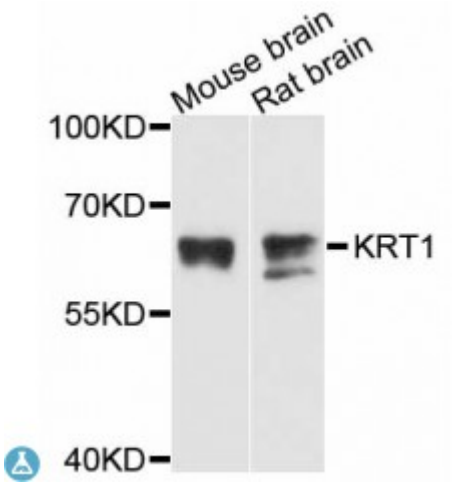
Anti-KRT1 Antibody



Description	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the spinous and granular layers of the epidermis with family member KRT10 and mutations in these genes have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.

Model	STJ113874
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 200-450 of human KRT1 (NP_006112.3).
Gene ID	3848
Gene Symbol	KRT1
Dilution range	WB 1:500 - 1:1000
Tissue Specificity	The source of this protein is neonatal foreskin, The 67-kDa type II keratins are expressed in terminally differentiating epidermis
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Keratin type II cytoskeletal 1 67 kDa cytokeratin Cytokeratin-1 CK-1 Hair alpha protein Keratin-1 K1 Type-II keratin Kb1
Molecular Weight	66.039 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:6412OMIM:113800Reactome:R-HSA-6798695
Alternative Names	Keratin type II cytoskeletal 1 67 kDa cytokeratin Cytokeratin-1 CK-1 Hair alpha protein Keratin-1 K1 Type-II keratin Kb1
Function	May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1), In complex with C1QBP is a high affinity receptor for kininogen-1/HMWK,
Cellular Localization	Cell membrane,
Post-translational Modifications	Undergoes deimination of some arginine residues (citrullination),