10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cytokeratin 1 Antibody

Rabbit mAb
Catalog # AP90814

Product Information

Application	WB
Primary Accession	P04264
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	67 kDa cytokeratin; CK1; EHK; Epidermolytic hyperkeratosis 1; EPPK; Hair alpha protein; K1; Keratin; KRT 1; KRT1A; NEPPK; type II cytoskeletal 1; Type-II keratin Kb1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	66039

Additional Information

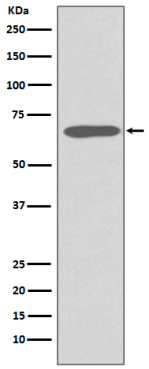
Dilution	WB 1:5000~1:20000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cytokeratin 1
Description	May regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	KRT1 (HGNC:6412)
Synonyms	KRTA
Function	Structural component of intermediate filaments in suprabasal keratinocytes of stratified epithelia. Forms heteropolymers with a type I keratin, assembling into keratin intermediate filament networks that provide mechanical strength and structural stability to differentiating epidermal cells (PubMed:1381288). May regulate the activity of kinases such as PKC and SRC by interacting with integrin beta-1 (ITB1) and the receptor of activated protein C kinase 1 (RACK1) (PubMed:17956333, PubMed:21544310). In complex with C1QBP, acts as a high-affinity receptor for kininogen-1 (HMWK) (PubMed:21544310).
Cellular Location	Cell membrane. Cytoplasm
Tissue Location	The source of this protein is neonatal foreskin. The 67-kDa type II keratins are

expressed in terminally differentiating epidermis

Images



Western blot analysis of Cytokeratin 1 expression in Human skin lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.