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Cytokeratin 2e Antibody

Rabbit mAb
Catalog # AP90810

Product Information

Application	WB, IHC
Primary Accession	P35908
Reactivity	Human
Clonality	Monoclonal
Other Names	CK 2e; Cytokeratin-2e; Epithelial keratin-2e; K2e; Keratin type II cytoskeletal 2 epidermal; Keratin-2 epidermis; KRT2; KRT2A; KRT2E; Type-II keratin Kb2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	65433

Additional Information

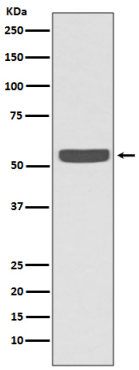
Dilution	WB 1:1000~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Cytokeratin 2e
Description	Probably contributes to terminal cornification. Associated with keratinocyte activation, proliferation and keratinization.
Storage Condition and 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	KRT2 (HGNC:6439)
Synonyms	KRT2A, KRT2E
Function	Structural component of intermediate filaments in suprabasal keratinocytes of stratified epidermis. Forms heteropolymers with type I keratins (e.g., KRT10), assembling into keratin intermediate filament networks that support mechanical integrity and resilience of the differentiating epidermis (PubMed:12598329, PubMed:1380918). Contributes to terminal differentiation and cornification of keratinocytes and plays a role in establishing the epidermal barrier (PubMed:9804344).
Cellular Location	Cytoplasm.
Tissue Location	Expressed in the upper spinous and granular suprabasal layers of normal adult epidermal tissues from most body sites including thigh, breast nipple, foot sole, penile shaft and axilla. Not present in foreskin, squamous metaplasias and carcinomas Expression in hypertrophic and keloid scars

begins in the deepest suprabasal layer. Weakly expressed in normal gingiva and tongue, however expression is induced in benign keratoses of lingual mucosa and in mild-to-moderate oral dysplasia with orthokeratinization

Images



Western blot analysis of Cytokeratin 2e expression in A431 cell lysate.

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