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Keratin-pan Polyclonal Antibody

Catalog # AP73512

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	P35908
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65433

Additional Information

Gene ID	3849
Other Names	KRT2; KRT76; KRT3; KRT5; KRT6A; KRT6B; KRT6C; KRT71; KRT72; KRT73; KRT74; KRT75; KRT79; KRT8; KRT84; Keratin, type II cytoskeletal 2 epidermal; Keratin, type II cytoskeletal 2 oral; Keratin, type II cytoskeletal 3; Keratin, type II cytoskeletal 5;Keratin, type II cytoskeletal 6A; Keratin, type II cytoskeletal 6B; Keratin, type II cytoskeletal 6C; Keratin, type II cytoskeletal 71; Keratin, type II cytoskeletal 72; Keratin, type II cytoskeletal 73; Keratin, type II cytoskeletal 74;
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

Protein Information

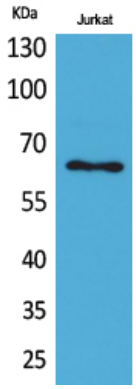
Name	KRT2 (HGNC:6439)
Synonyms	KRT2A, KRT2E
Function	Structural component of intermediate filaments in suprabasal keratinocytes of stratified epidermis. Forms heteropolymers with type I keratins (e.g., KRT10), assembling into keratin intermediate filament networks that support mechanical integrity and 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

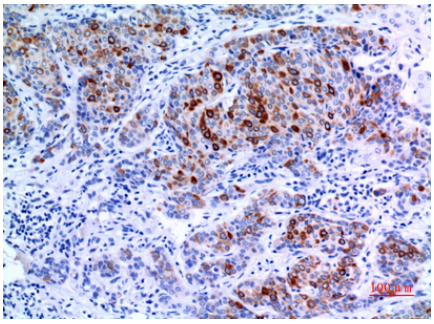
Background

Probably contributes to terminal cornification (PubMed: 1380918). Associated with keratinocyte activation, proliferation and keratinization (PubMed:12598329). Plays a role in the establishment of the epidermal barrier on plantar skin (By similarity).

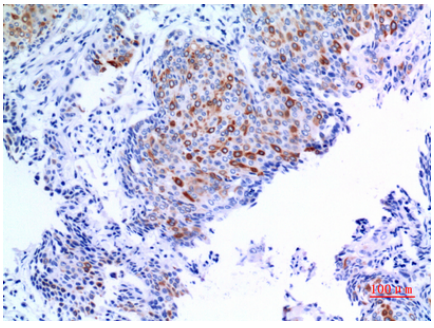
Images



Western Blot analysis of Jurkat cells using Keratin-pan Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



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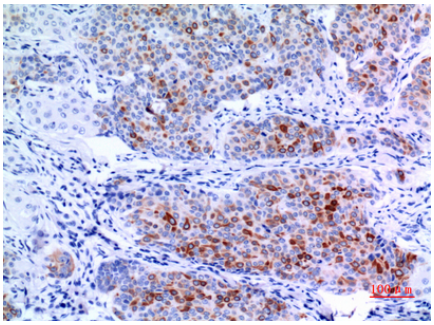

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