

Y103028 Cytokeratin 10 Human

Antibody Type	Monoclonal Antibody
Description	<p>Cytokeratin 10 Human is a Cytokeratin 10 is a heterotetramer of two type I and two type II keratins. Cytokeratin 10 is generally associated with keratin 1. It is seen in all suprabasal cell layers including stratum corneum. A number of alleles are known that mainly differ in the Gly-rich region (positions 490-560). Defects in cytokeratin 10 are a cause of epidermolytic hyperkeratosis (EHK), also known as bullous congenital ichthyosiform erythroderma (BCIE) or bullous erythroderma ichthyosiformis congenita of Brocq. EHK is an hereditary skin disorder characterized by blistering and a marked thickening of the stratum corneum. At birth, affected individuals usually present with redness, blisters and superficial erosions due to cytolysis. Within a few weeks, the erythroderma and blister formation diminish and hyperkeratoses develop. Transmission is autosomal dominant, but most cases are sporadic. Defects in cytokeratin 10 are also a cause of annular epidermolytic ichthyosis (AEI), also known as cyclic ichthyosis with epidermolytic hyperkeratosis. AEI resembles clinical and histologic features of both epidermolytic hyperkeratosis and ichthyosis bullosa of Siemens. Clone #: LH-2</p>
Specificity	Reacts with human cytokeratin 10 found in stratified squamous epithelial. It can be used for the recognition of keratinising cells in squamous cell carcinomas from epidermis, lung, bladder, cervix,oesophagus.
Application Notes	Suitable for identification of cytokeratin expressing cells by indirect immunoperoxidase staining of frozen sections, paraffin sections with trypsin type XXIV protease pretreatment, and western blotting.
Raised In	Mouse
Clonality	Monoclonal Antibody
Isotype	Mouse IgG1
Purity	Affinity purified
Storage Buffer	PBS with 10mM sodium azide and 1% BSA.
Formulation	Liquid
Storage	4°C for 1 month. For long term storage, aliquot antibody into small volumes and store at -20°C.
Caution	Cytokeratin 10 Human is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.