bs-24773R **[Primary Antibody]**

CK10 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 16661 **SWISS:** P02535

Target: CK10

Immunogen: KLH conjugated synthetic peptide derived from mouse CK10: 301-400/570.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

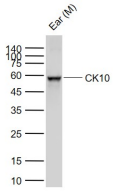
Applications: **WB** (1:500-2000)

Reactivity: Mouse (predicted: Rat)

Predicted MW.: 59 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: Mouse Ear tissue lysates
Primary: Anti-CK10 (bs-24773R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 59 kD Observed band size: 59 kD