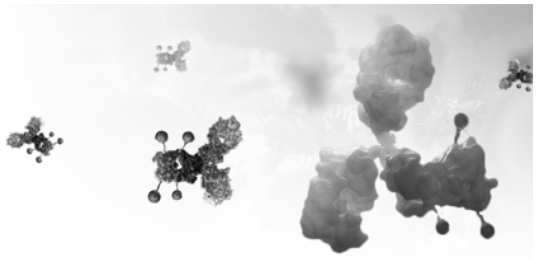

Rabbit Anti-Human KRT1 Monoclonal Antibody, clone CQ7188 (CABT-Z243R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa200-300 of Cytokeratin 1 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7188
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	66 kDa
Cellular Localization	Membrane/Cytoplasm
Positive Control	Esophagus
Format	Liquid
Concentration	Lot specific
Size	100 µl

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Cytokeratin 1 may regulate the activity of kinases such as PKC and SRC via binding to integrin beta-1 (ITB1) and the receptor of activated protein kinase C (RACK1/GNB2L1).Defects in Cytokeratin 1 are a cause of bullous congenital ichthyosiform erythroderma (BCIE); also known as epidermolytic hyperkeratosis (EHK) or bullous erythroderma ichthyosiformis congenita of Brocq. BCIE is an autosomal dominant skin disorder characterized by widespread blistering and an ichthyotic erythroderma at birth that persist into adulthood. Histologically there is a diffuse epidermolytic degeneration in the lower spinous layer of the epidermis. Within a few weeks from birth, erythroderma and blister formation diminish and hyperkeratoses develop.In diagnostic pathology, immunohistochemical detection of cytokeratin 1 is usually used to label squamous, ductal and complex epithelia combined with other high molecular weight cytokeratins such as cytokeratins 5, 10 and 14. Results aid in the classification of prostatic adenocarcinoma and in the classification of neoplastic tissue as carcinoma of epithelial origin.
Keywords	KRT1; keratin 1; keratin 1

GENE INFORMATION

Gene Name	KRT1
Entrez Gene ID	3848
UniProt ID	P04264

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