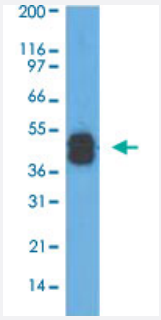
Cytokeratin, LMW monoclonal antibody, clone AE1

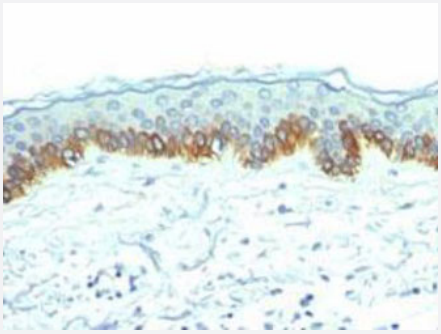
Catalog # MAB11310 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of A-431 cell lysate using Cytokeratin, LMW monoclonal antibody, clone AE1 (Cat # MAB11310) at 0.25 ug/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) analysis of human skin with Cytokeratin, LMW monoclonal antibody, clone AE1 (Cat # MAB11310) at 1:200 using peroxidase-conjugate and DAB chromogen.

Specification

Product Description	Mouse monoclonal antibody raised against Cytokeratin, LMW.
Immunogen	Human epidermal keratin.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG1, kappa

Recommend Usage	Western Blot (0.1 - 1.0 ug/ml) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of A-431 cell lysate using Cytokeratin, LMW monoclonal antibody, clone AE1 (Cat # MAB11310) at 0.25 ug/ml.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) analysis of human skin with Cytokeratin, LMW monoclonal antibody, clone AE1 (Cat # MAB11310) at 1:200 using peroxidase-conjugate and DAB chromogen.

Gene Info — KRT1

Entrez GeneID	3848
Gene Name	KRT1
Gene Alias	CK1, EHK1, K1, KRT1A
Gene Description	keratin 1
Omim ID	113800 139350 146590 148700 600962 607602 607654
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coex pressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is s pecifically expressed in the spinous and granular layers of the epidermis with family member KRT 10 and mutations in these genes have been associated with bullous congenital ichthyosiform eryt hroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq
Other Designations	cytokeratin 1|epidermolytic hyperkeratosis 1|hair alpha protein|keratin, type II cytoskeletal 1

Gene Info — KRT8

Entrez GeneID	3856
Gene Name	KRT8
Gene Alias	CARD2, CK8, CYK8, K2C8, K8, KO
Gene Description	keratin 8
Omim ID	148060 215600
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. T ype I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular str uctural integrity and also functions in signal transduction and cellular differentiation. Mutations in th is gene cause cryptogenic cirrhosis. [provided by RefSeq
Other Designations	cytokeratin 8|keratin, type II cytoskeletal 8

Gene Info — KRT19

Entrez GeneID	3880
Gene Name	KRT19
Gene Alias	CK19, K19, K1CS, MGC15366
Gene Description	keratin 19
Omim ID	148020
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into c ytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidi c cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq
Other Designations	40-kDa keratin intermediate filament|cytokeratin 19|keratin, type I cytoskeletal 19|keratin, type I, 4 0-kd

Disease

- Alzheimer disease
- Cerebral Amyloid Angiopathy
- Chronic Disease
- Disease Progression
- Drug-Induced Liver Injury
- Genetic Predisposition to Disease
- Hepatitis C
- Inflammatory Bowel Diseases
- Liver Cirrhosis
- Liver Cirrhosis
- Liver Failure
- Neuroblastoma
- Pancreatitis