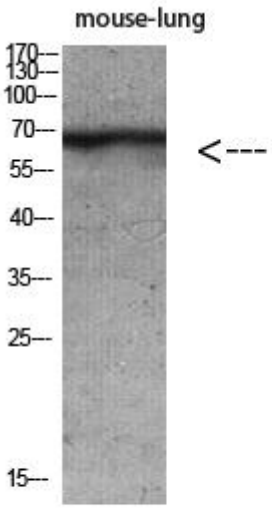
Keratin-pan Monoclonal Antibody

Catalog No	BYmab-03239
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	Keratin
Protein Name	Keratin
Immunogen	Synthetic peptide from human protein at AA range: 150-220
Specificity	The antibody detects endogenous Keratin-pan
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	70kD
Cell Pathway	extracellular space,nucleus,cytoplasm,Golgi apparatus,intermediate filament,membrane,keratin filament,intermediate filament cytoskeleton,extracellular exosome,
Tissue Specificity	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.
Function	developmental stage:Synthesized during maturation of epidermal keratinocytes and localized in the upper intermediate cells of fetal skin. Earliest expression is at 10 weeks in the developing embryo in the presumptive nail bed of developing digits, shifting to the proximal nail fold by 13.5 weeks. At 12.5 weeks, detected in scattered cells of the intermediate layer of trunk skin. At 19.3 weeks, regional

	expression patterns were observed in upper intermediate keratinocytes of cheek, trunk, dorsal and ventral knee, elbow and dorsal hand. Distal areas around the periumbilical region showed increased number of positive cells and by 15 weeks is expressed in small groups of cells in the fetal hair follicles.,disease:Defects in KRT2 are a cause of ichthyosis bullosa of Siemens (IBS) [MIM:146800]. IBS is a rare autosomal dominant skin disorder displaying a type of epidermolytic hyperkeratosis cha
Background	keratin 2(KRT2) Homo sapiens 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 coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is expressed largely in the upper spinous layer of epidermal keratinocytes and mutations in this gene have been associated with bullous congenital ichthyosiform erythroderma. The type II cytokeratins are clustered in a region of chromosome 12q12-q13. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Keratin-pan Monoclonal Antibody