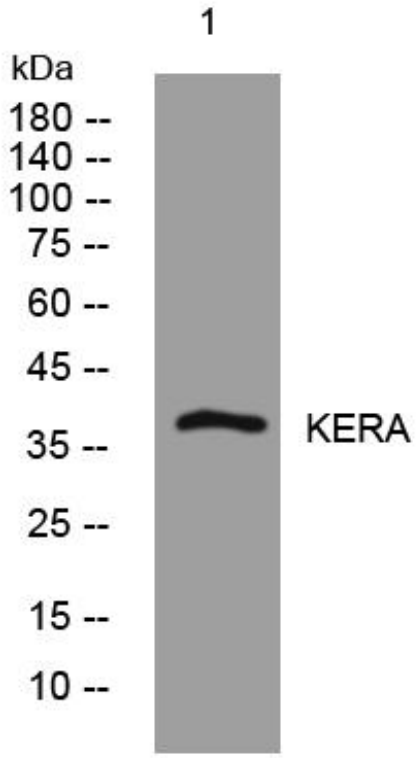
KERA mouse mAb

Catalog No	BYmab-07905
Isotype	IgG
Reactivity	Human; Mouse
Applications	WB
Gene Name	KERA SLRR2B
Protein Name	KERA
Immunogen	Synthesized peptide derived from human KERA AA range: 26-76
Specificity	This antibody detects endogenous levels of KERA at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.19% 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	Keratocan (KTN) (Keratan sulfate proteoglycan keratocan)
Observed Band	38kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Cornea (at protein level) (PubMed:10802664, PubMed:11683372). Increased expression in the stroma of keratoconus corneas (PubMed:11683372). Also detected in trachea, and in low levels, in intestine, skeletal muscle, ovary, lung and putamen (PubMed:10802664).
Function	disease:Defects in KERA are the cause of the autosomal recessive cornea plana 2 (CNA2) [MIM:217300]. In CNA2, the forward convex curvature is flattened, leading to a decrease in refraction, reduced visual activity, extreme hyperopia (usually plus 10 d or more), hazy corneal limbus, opacities in the corneal parenchyma, and marked arcus senilis (often detected at an early age). CNA2 is a rare disorder with a worldwide distribution, but a high prevalence in the Finnish population.,disease:Increased expression in the stroma of keratoconus corneas. Keratoconus is a noninflammatory disease characterized by thinning and scarring of the central portion of the cornea.,function:May be important in developing and maintaining corneal transparency and for the structure of the stromal

	matrix.,PTM:Binds keratan sulfate chains.,similarity:Belongs to the small leucine-rich proteoglycan (SLRP) family. Cla
Background	The protein encoded by this gene is a keratan sulfate proteoglycan that is involved in corneal transparency. Defects in this gene are a cause of autosomal recessive cornea plana 2 (CNA2).[provided by RefSeq, May 2010],
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 KERA mouse mAb