

Rabbit Anti-Mouse Keratocan (KERA) Polyclonal Antibody

Cat. No.: VD4N643

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse keratocan. It is purified by protein A/G. It can be applied to WB, IHC, ICC and IP assays of mouse keratocan.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	C4N276
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Keratocan
Isotype	IgG
Immunogen	Recombinant protein of mouse keratocan
Purification	Protein A/G Purified
Purity	≥ 90%
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, pH 7.4, with 50% glycerol
Physical State	Liquid

Target Information

Mouse keratocan (KERA) is a secreted leucine-rich repeat proteoglycan of the small leucine-rich proteoglycan (SLRP) family, a key structural component of corneal extracellular matrix (ECM). It features conserved tandem leucine-rich repeat domains, N- and C-terminal cysteine-rich regions, and a keratan sulfate glycosylation site critical for ECM assembly and corneal transparency. It localizes predominantly to the stroma of mouse cornea, with negligible expression in non-ocular tissues. The protein mediates collagen fibril organization and ECM structural integrity, with conserved motifs for protein-protein interaction. Mouse KERA shares core functional domains with mammalian orthologs, and has distinct tissue specificity differentiating it from other SLRPs.

Target	Mouse Keratocan
Target Synonym	CNA2; SLRR2B; Keratocan Proteoglycan; Keratan sulfate proteoglycan keratocan;
Gene ID	16545
UniProt ID	O35367

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.