

Datasheet for ABIN1406883
anti-KERA antibody (AA 201-300) (Cy3)



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Overview

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|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity: | 100 µL |
| Target: | KERA |
| Binding Specificity: | AA 201-300 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KERA antibody is conjugated to Cy3 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| Immunogen: | KLH conjugated synthetic peptide derived from human Keratocan |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse |
| Predicted Reactivity: | Rat,Dog,Cow,Sheep,Pig,Horse |
| Purification: | Purified by Protein A. |

Target Details

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|-------------------|---------------------------------------------|
| Target: | KERA |
| Alternative Name: | Keratocan (KERA Products) |

Target Details

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| Background: | <p>Synonyms: CNA2, KERA, KERA_HUMAN, Keratan sulfate proteoglycan keratocan, Keratocan, KTN, SLRR2B.</p> <p>Background: Small leucine-rich proteoglycans (SLRPs) such as Decorin, Biglycan, Fibromodulin, Keratocan, Lumican and Osteoglycin mediate extracellular matrix organization and are binding partners of TGF Beta. The Decorin core protein binds to growth factors, intercellular matrix molecules such as Fibronectin and Thrombospondin, and to the Decorin endocytosis receptor. Fibromodulin is a collagen-binding keratan sulphate proteoglycan that influences adhesion processes of connective tissue and plays a role in fibrillogenesis by regulating collagen fibril spacing and thickness. Keratocan (KTN) develops corneal transparency and maintains the stromal matrix structure. Keratocan is a secreted protein in the extracellular matrix that binds to keratan sulfate chains. Keratocan is mainly detected in the cornea, but can also be expressed in trachea, intestine, ovary, lung and skeletal muscle. Defects in the gene encoding for Keratocan can cause cornea plana 2 (CNA2), an autosomal recessive disorder where the forward convex curvature of the cornea is flattened.</p> |
| Pathways: | Glycosaminoglycan Metabolic Process |

Application Details

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| Application Notes: | <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p> |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |

Handling

Expiry Date: 12 months