

Mouse Keratocan Monoclonal Antibody | anti-KERA antibody

Monoclonal Antibody to Keratocan (Clone Ker-1)

CATALOG # AAA63030	HOST Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

Keratocan; Monoclonal Antibody; Monoclonal Antibody to Keratocan (Clone Ker-1); Keratocan Antibody; KERA; CNA2; Keratan sulfate proteoglycans (KSPGs); O60938; KTN; SLRR2B; anti-KERA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Clone Number	Ker-1
Specificity	This Keratocan antibody recognises a protein core epitope in human, bovine, porcine, mouse & chicken tissues.
Purity/Purification	Affinity purified on thiophilic column
Form/Format	Liquid; PBS, no preservatives
Concentration	0.1 mg/mL (varies by lot)
Sequence Length	352
Applicable Applications for anti-KERA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Note	This epitope is best recognized after keratanase and keratanase II treatment/digestion of section (IHC) or tissue extracts (for Western analyses). In some IHC tissue analyses, chondroitinase treatment may also be used as this second enzyme treatment facilitates antibody penetration into the tissue.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



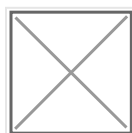
Application Data

Keratocan localisation in the Embryonic cornea on days 13,15, and 18.



WB (Western Blot)

Western Blot using anti-Keratocan at a concentration of 0.4 ug/mL



Application Data

Species Reactivity with Ker-1. Samples are treated with Kera-tanase and Keratanase II prior to electrophoresis.

ADDITIONAL INFORMATION

Related Product Information for anti-KERA antibody	Keratocan belongs to the Small Leucine Rich Proteoglycan (SLRP) family. It was originally found to be a cornea specific keratan sulphate proteoglycan that, along with Lumican, plays a role in the development and maintenance of corneal transparency. Mutations of keratocan cause cornea plana in humans, which is often associated with glaucoma, whereas the absence of Lumican leads to formation of cloudy corneas. This suggests that Keratocan and Lumican have different roles in regulating the formation of stromal extracellular matrix.
Product Categories/Family for anti-KERA antibody	Antibodies to Aggrecan

NCBI AND UNIPROT INFORMATION

NCBI GI #	5901992
NCBI GeneID	11081
NCBI Accession #	NP_008966.1
NCBI GenBank Nucleotide #	NM_007035.3
UniProt Accession #	O60938
NCBI Official Full Name	keratocan
NCBI Official Synonym Full Names	keratocan
NCBI Official Symbol	KERA
NCBI Official Synonym Symbols	KTN; CNA2; SLRR2B
NCBI Protein Information	keratocan; keratan sulfate proteoglycan keratocan
UniProt Protein Name	Keratocan
UniProt Gene Name	KERA
UniProt Synonym Gene Names	SLRR2B; KTN
UniProt Entry Name	KERA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/keratocan-antibody-clone-ker-1-immunohistochemistry-western-blot-elisa/63030>