abcam

Product datasheet

Anti-Kallikrein 4 antibody ab197657

1 References 2 Images

Overview

Product name	Anti-Kallikrein 4 antibody
Description	Rabbit polyclonal to Kallikrein 4
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse
Immunogen	Fusion protein within Human Kallikrein 4 (internal sequence). The exact sequence is proprietary. Fusion protein corresponding to a region derived from internal residues of human Kallikrein 4. NCBI Accession No. BC069429. The protein fusion partner is GST. Database link: **Q9Y5K2**
Positive control	Human cervical cancer and thyroid cancer tissues.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab197657 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/15 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

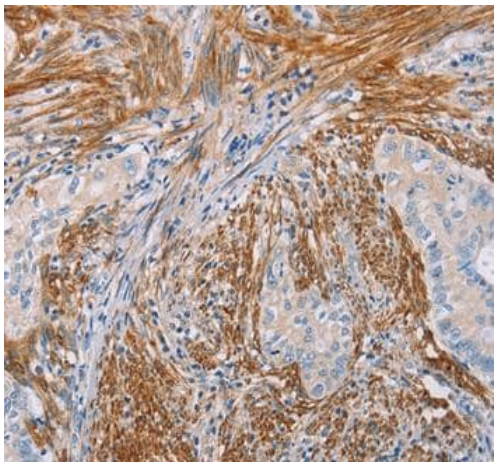
Tissue specificity Expressed in prostate.

Involvement in disease Defects in KLK4 are the cause of amelogenesis imperfecta hypomaturation type 2A1 (AI2A1) [MIM:204700]. AI2A1 is an autosomal recessive defect of enamel formation. The disorder involves both primary and secondary dentitions. The teeth have a shiny agar jelly appearance and the enamel is softer than normal. Brown pigment is present in middle layers of enamel.

Sequence similarities Belongs to the peptidase S1 family. Kallikrein subfamily.
Contains 1 peptidase S1 domain.

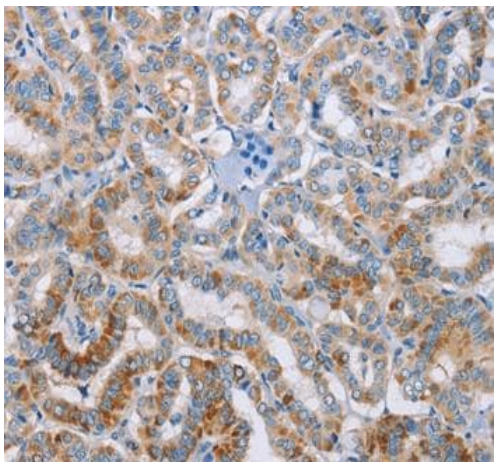
Cellular localization Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kallikrein 4 antibody (ab197657)

Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue labeling Kallikrein 4 using ab197657 at a 1/15 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Kallikrein 4 antibody (ab197657)

Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue labeling Kallikrein 4 using ab197657 at a 1/15 dilution.

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