

Product datasheet

Anti-ST14 antibody - Catalytic domain ab28266

★★★★★ [6 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-ST14 antibody - Catalytic domain
Description	Rabbit polyclonal to ST14 - Catalytic domain
Host species	Rabbit
Specificity	This antibody does not recognize matriptase 2 (MTSP2).
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide based on the catalytic domain of Human ST14. Read Abcam's proprietary immunogen policy (Peptide available as ab41264 .)
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

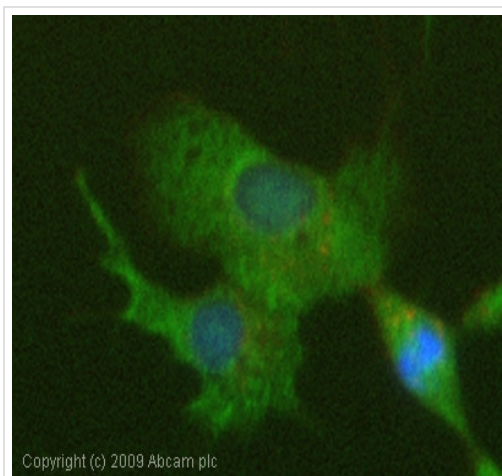
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab28266 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (3)	Use a concentration of 1 µg/ml.

Target

Function	Degrades extracellular matrix. Proposed to play a role in breast cancer invasion and metastasis. Exhibits trypsin-like activity as defined by cleavage of synthetic substrates with Arg or Lys as the P1 site.
Involvement in disease	Defects in ST14 are a cause of ichthyosis autosomal recessive with hypotrichosis (ARIH) [MIM:610765]. ARIH is a skin disorder characterized by congenital ichthyosis associated with the presence of less than the normal amount of hair.
Sequence similarities	Belongs to the peptidase S1 family. Contains 2 CUB domains. Contains 4 LDL-receptor class A domains. Contains 1 peptidase S1 domain.
Cellular localization	Membrane.

Images



Immunocytochemistry/ Immunofluorescence - Anti-ST14 antibody - Catalytic domain (ab28266)

ICC/IF image of ab28266 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab28266, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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