abcam

Product datasheet

Anti-Cytokeratin 8 antibody [SB37b] (HRP) ab87012

Overview

Product name	Anti-Cytokeratin 8 antibody [SB37b] (HRP)
Description	Mouse monoclonal [SB37b] to Cytokeratin 8 (HRP)
Host species	Mouse
Conjugation	HRP
Specificity	ab87012 reacts specifically with cytokeratin 8 and the recombinant C terminal cytokeratin 8.
Tested applications	**Suitable for:** ICC/IF, WB, ELISA, IHC-Fr
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant C terminal fragment of Cytokeratin 8
Positive control	HT29 and HCC38 cell lines. HT29 and HCC38 cell lysates.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: None Constituents: 50% PBS, 50% Glycerol, pH 7.4
Purity	IgG fraction
Clonality	Monoclonal
Clone number	SB37b
Isotype	IgG2a

Applications

Our Abpromise guarantee covers the use of **ab87012** 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		Use at an assay dependent dilution.
WB		1/5000 - 1/10000. Predicted molecular weight: 54 kDa.

Application	Abreviews	Notes
ELISA		Use at an assay dependent dilution.
IHC-Fr		1/1000 - 1/2000.

Target

Function	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Tissue specificity	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
Involvement in disease	Cirrhosis
Sequence similarities	Belongs to the intermediate filament family.
Post-translational modifications	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcylated), in a cell cycle-dependent manner.
Cellular localization	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

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