

Anti-Cytokeratin 15 (KRT15) (Basal Cell Marker) Monoclonal Antibody

Catalog Number: M06791

About KRT15

Keratin 15 is a type I keratin which is expressed only in basal keratinocytes in stratified epithelia and does not appear to have a natural type II expression partner. Keratin 15 is down regulated in activated keratinocytes. Cytokeratin 15 is a specific marker of stem cells of the hair-follicle bulge and may be a useful marker for diagnosis between basal cell carcinoma (BCC) and trichoepithelioma. Trichoblastoma are benign neoplasms of follicular differentiation frequently found in nevus sebaceous. Many morphologic features are shared with nodular basal cell carcinoma, sometimes rendering a diagnosis difficult. Trichoblastoma and BCC show variable expression of Cytokeratin 15 and Cytokeratin 19, and absence of hair keratins.

Overview

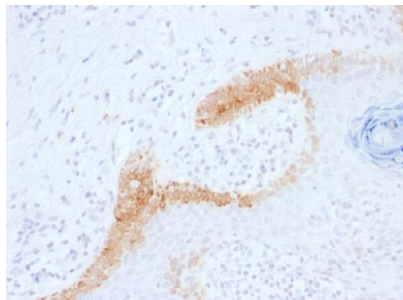
Product Name	Anti-Cytokeratin 15 (KRT15) (Basal Cell Marker) Monoclonal Antibody
Reactive Species	Cow, Human, Rat
Description	Boster Bio Anti-Cytokeratin 15 (KRT15) (Basal Cell Marker) Monoclonal Antibody (Catalog # M06791). Tested in IHC applications. This antibody reacts with Human, Rat, Cow.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: KRT15/1699
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	P19012

Technical Details

Immunogen	Recombinant human KRT15 protein
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG2a, kappa
Form	Liquid

Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Formalin-fixed) (0.1-0.2ug/ml for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) Optimal dilution for a specific application should be determined.

Anti-Cytokeratin 15 (KRT15) (Basal Cell Marker) Monoclonal Antibody (M06791) Images



Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Anti-Cytokeratin 15 Mouse Monoclonal Antibody (KRT15/1699).

1 Publications Citing This Product

1. PubMed ID: 24311896, The Role of EGFR/PI3K/Akt/cyclinD1 Signaling Pathway in Acquired Middle Ear Cholesteatoma

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