P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

BRAF35 / HMG20B; Clone PCRP-HMG20B-1B5
(Concentrate)

Availability/Contents:

Item #	Volume
RA0753-C.1	0.1 ml
RA0753-C.5	0.5 ml
RA0753-C1	1 ml

Description:

Species:	Mouse
Immunogen:	Synthetic peptide (exact sequence is proprietary)
Clone:	PCRP-HMG20B-1B5
Isotype:	IgG1 / Kappa
Entrez Gene ID:	10362
Hu Chromosome Loc.:	19p13.3
Synonyms:	SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related, BRCA2-associated factor 35, HMG box-containing protein 20B, HMG domain-containing protein 2, HMG domain-containing protein HMGX2, Sox-like transcriptional factor, Structural DNA-binding protein BRAF35, BRAF25; BRAF35; BRCA2-associated factor 35; High Mobility Group Protein 20B; HMG box-containing protein 20B; HMG domain-containing protein 2; HMG domain-containing protein HMGX2; HMG20B; SMARCE1-related protein; SMARCE1r; Sox-like transcriptional factor; SOXL; Structural DNA-binding protein BRAF35; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related
Mol. Weight of Antigen:	35kDa
Format:	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	Recognizes a protein of 35kDa, identified as BRAF35.
Background:	Required for correct progression through G2 phase of the cell cycle and entry into mitosis. Required for RCOR1/CoREST mediated repression of neuronal specific gene promoters.Predicted to enable DNA binding activity. Predicted to be involved in regulation of gene expression. Predicted to act upstream of or within negative regulation of protein sumoylation; positive regulation of neuron differentiation; and skeletal muscle cell differentiation. Located in nuclear body.
Species Reactivity:	Human
Positive Control:	A431 or HeLa cells. Ubiquitous expression in adult tissues. Jukart
Cellular Localization:	Nucleus. Chromosome. Localized to condensed chromosomes in mitosis in conjunction with BRCA2.
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 1-2µg/ml Flow Cytometry: 1-2µg/million cells
Microbiological State:	This product is not sterile.

Storage: 2° C  8° C

ScyTek Laboratories, Inc.
205 South 600 West
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U.S.A.

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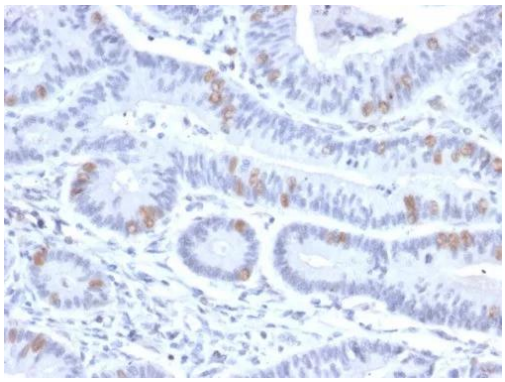
Uses/Limitations:

Not to be taken internally.
For Research Use Only.
This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
Do not use if reagent becomes cloudy.
Do not use past expiration date.
Non-Sterile.



Formalin-fixed, paraffin-embedded human colon stained with BRAF35 Mouse Monoclonal Antibody (PCRP-HMG20B-1B5)

Ordering Information and Current Pricing at www.scytek.com

Procedure:

1. **Tissue Section Pretreatment (Highly Recommended):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Tris-EDTA Solution (10x) pH 9.0 (ScyTek catalog# TES500) or Citrate Plus (10x) HIER Solution (ScyTek catalog# CPL500).

2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.

3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions:

Contains Sodium Azide as a preservative (0.09% w/v).
Do not pipette by mouth.
Avoid contact of reagents and specimens with skin and mucous membranes.
Avoid microbial contamination of reagents or increased nonspecific staining may occur.
This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. McClellan D et al.Mol Cell Biol39:N/A (2019).

Warranty:

No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C 8° C

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