

## BRAF35 / HMG20B Antibody

Mouse Monoclonal Antibody [Clone PCR-P-HMG20B-1B5]

Catalog No	Format	Size
10362-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10362-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10362-MSM1-P1ABX	Purified Ab WITHOUT BSA at 1.0mg/ml	100 ug

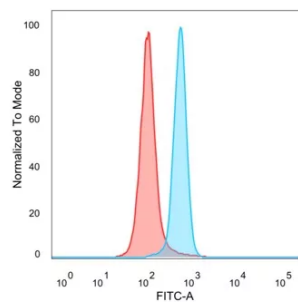
Applications	Tested Dilution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

### Product Details

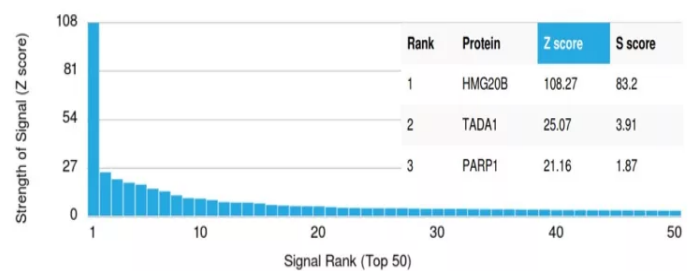
<b>Clone</b>	PCR-P-HMG20B-1B5
<b>Gene Name</b>	HMG20B
<b>Immunogen</b>	Synthetic peptide (exact sequence is proprietary)
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	35kDa
<b>Cellular Localization</b>	Nucleus. Chromosome. Localized to condensed chromosomes in mitosis in conjunction with BRCA2.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	A431 or HeLa cells. Ubiquitous expression in adult tissues.   Jurkat

\*Optimal dilution for a specific application should be determined.

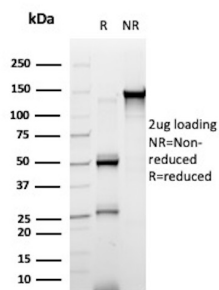
### Product Images for BRAF35 / HMG20B Antibody



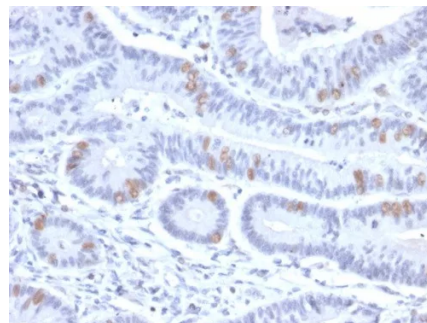
Flow cytometric analysis of PFA-fixed HeLa cells. BRAF35 Mouse Monoclonal Antibody (PCR-P-HMG20B-1B5) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using BRAF35 Mouse Monoclonal Antibody (PCR-P-HMG20B-1B5). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis of Purified SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1-related Mouse Monoclonal Antibody (PCRP-HMG20B-1B5). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human colon stained with BRAF35 Mouse Monoclonal Antibody (PCRP-HMG20B-1B5). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

### Specificity & Comments

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.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

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.

### Research Areas

Cardiovascular, Infectious Disease, Nuclear Marker

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.