Homeobox and Leucine Zipper Encoding / HOMEZ Antibody

Mouse Monoclonal Antibody [Clone PCRP-HOMEZ-1B5]

Catalog No	Format	Size
57594-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
57594-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
57594-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

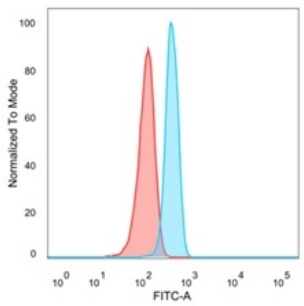
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

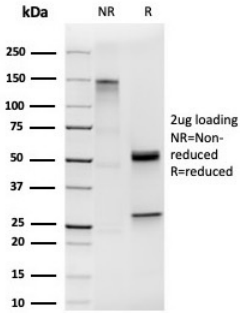
Clone	PCRP-HOMEZ-1B5
Gene Name	HOMEZ
Immunogen	Recombinant full-length human HOMEZ protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	61.24kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human testis, kidney or fetal lung.

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

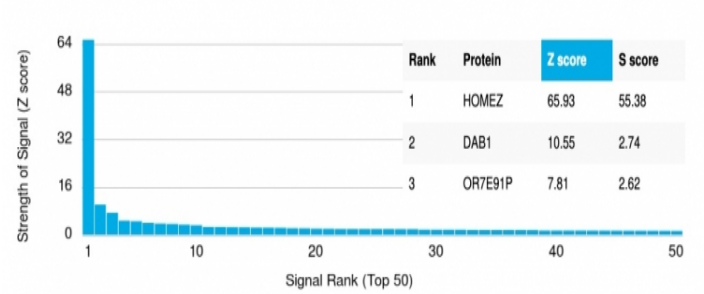
Product Images for Homeobox and Leucine Zipper Encoding / HOMEZ Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. HOMEZ Mouse Monoclonal Antibody (PCRP-HOMEZ-1B5) followed by goat anti-mouse IgG-CF488 (blue), isotype control (red).

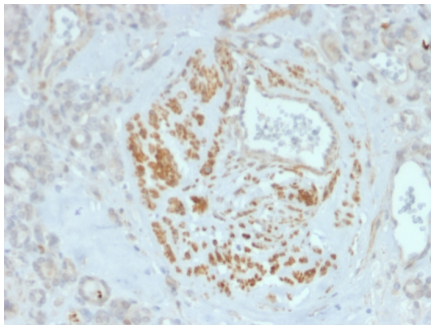


SDS-PAGE Analysis of Purified HOMEZ Mouse Monoclonal Antibody (PCRP-HOMEZ-1B5). Confirmation of Purity and Integrity of Antibody.



Rank	Protein	Z score	S score
1	HOMEZ	65.93	55.38
2	DAB1	10.55	2.74
3	OR7E91P	7.81	2.62

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing EIF2S1 Mouse Monoclonal Antibody (PCRP-HOMEZ-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 HuProtTM 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 HuProtTM 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 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.



Formalin-fixed, paraffin-embedded human breast stained with HOMEZ Mouse Monoclonal Antibody (PCRP-HOMEZ-1B5).

Specificity & Comments

Homeodomain-containing proteins function as transcription factors that typically switch on cascades of other genes. Usually homeodomain proteins act in the promoter region of their target genes as complexes with other transcription factors, leading to much higher target specificity than a single homeodomain protein. HOMEZ (Homeobox and leucine zipper protein) is a 525 amino acid nuclear protein that contains 3 atypical homeodomains, 2 leucine zipper-like motifs, proline and serine-rich motifs and an acidic domain. Within homeodomain 2, it contains a putative nuclear localization signal. HOMEZ shares significant sequence similarity with mouse ZHX1 and sequences that are homologous to HOMEZ are restricted to vertebrates. Likely functioning as a transcription regulator, HOMEZ is ubiquitously expressed with highest levels found in in ovary, testis, kidney, fetal lung and kidney.

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.

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.