

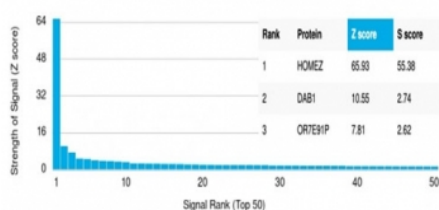
HOMEZ Antibody [clone PCRP-HOMEZ-1B5] (V9211)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V9211-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9211-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9211SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

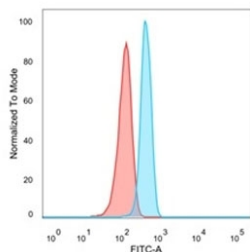
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| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG2a |
| Clone Name | PCRP-HOMEZ-1B5 |
| Purity | Protein A/G affinity |
| UniProt | Q8IX15 |
| Localization | Nucleus |
| Applications | Flow Cytometry : 1-2ug/million cells Immunohistochemistry (FFPE) : 1-2ug/ml |
| Limitations | This HOMEZ antibody is available for research use only. |

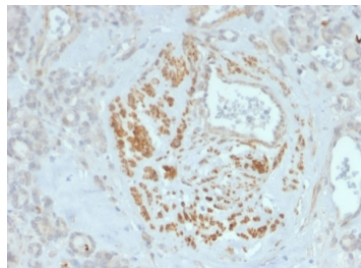
Human Protein Microarray Specificity Validation



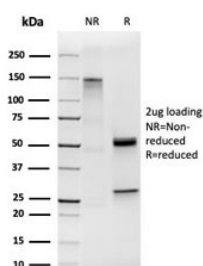
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using HOMEZ antibody (clone PCRP-HOMEZ-1B5). These results demonstrate the foremost specificity of the PCRP-HOMEZ-1B5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



FACS staining of PFA-fixed human HeLa cells with HOM EZ antibody (blue, clone PCRP-HOM EZ-1B5), and isotype control (red).



IHC staining of FFPE human breast tissue with HOM EZ antibody (clone PCRP-HOM EZ-1B5). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free HOM EZ antibody (clone PCRP-HOM EZ-1B5) as confirmation of integrity and purity.

Description

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. HOM EZ (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. HOM EZ shares significant sequence similarity with mouse ZHX1 and sequences that are homologous to HOM EZ are restricted to vertebrates. Likely functioning as a transcription regulator, HOM EZ is ubiquitously expressed with highest levels found in in ovary, testis, kidney, fetal lung and kidney.

Application Notes

Optimal dilution of the HOM EZ antibody should be determined by the researcher.

Immunogen

Recombinant full-length human HOM EZ protein was used as the immunogen for the HOM EZ antibody.

Storage

Aliquot the HOM EZ antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

