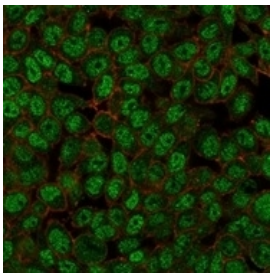
ZMYM3 Antibody [clone PCRP-ZMYM3-2F10] (V9256)

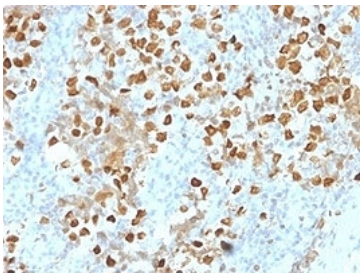
Catalog No.	Formulation	Size
V9256-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9256-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9256SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

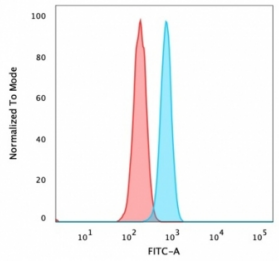
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-ZMYM3-2F10
Purity	Protein A/G affinity
UniProt	Q14202
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This ZMYM3 antibody is available for research use only.



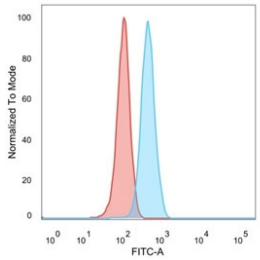
Immunofluorescent staining of PFA-fixed human HeLa cells using ZMYM3 antibody (green, clone PCRP-ZMYM3-2F10) and phalloidin (red).



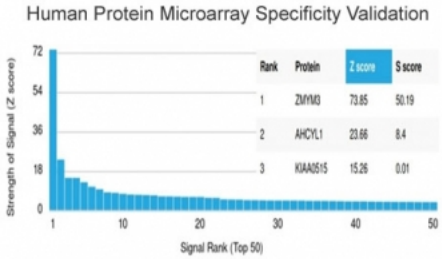
IHC staining of FFPE human breast carcinoma tissue with ZMYM3 antibody (clone PCRP-ZMYM3-2F10). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



FACS staining of PFA-fixed human HeLa cells with ZMYM3 antibody (blue, clone PCRP-ZMYM3-2F10), and unstained cells (red).



FACS staining of PFA-fixed human Raji cells with ZMYM3 antibody (blue, clone PCRP-ZMYM3-2F10), and unstained cells (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZMYM3 antibody (clone PCRP-ZMYM3-2F10). These results demonstrate the foremost specificity of the PCRP-ZMYM3-2F10 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.

Description

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZMYM3 (zinc finger MYM-type protein 3), also known as ZNF261 (zinc finger protein 261), XFIM, DXS6673E or MYM, is a 1,370 amino acid nuclear protein that contains nine MYM-type zinc fingers. Expressed in a variety of tissues, including heart, muscle and brain, ZMYM3 is thought to function as part of a histone deacetylase-containing complex that contains other proteins, such as HDAC1 and HDAC2, and may play a role in gene silencing through the modification of chromatin structure. Defects in the gene encoding ZMYM3 that lead to chromosomal translocations may be a cause of X-linked mental retardation. Two isoforms of ZMYM3 exist due to alternative splicing events.

Application Notes

Optimal dilution of the ZMYM3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ZMYM3 protein was used as the immunogen for the ZMYM3 antibody.

Storage

Aliquot the ZMYM3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.