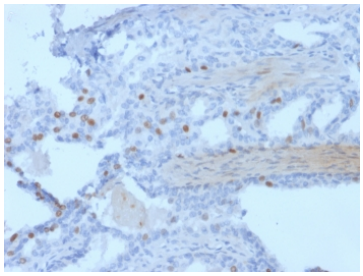
PCGF3 Antibody / Polycomb group RING finger protein 3 [clone PCRP-PCGF3-1D5] (V5048)

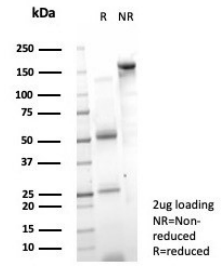
Catalog No.	Formulation	Size
V5048-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5048-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5048SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

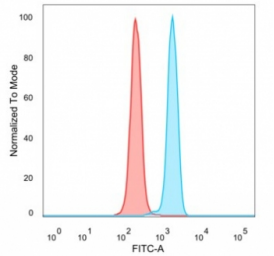
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-PCGF3-1D5
Purity	Protein A/G affinity
UniProt	Q3KNV8
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This PCGF3 antibody is available for research use only.



IHC staining of FFPE human prostate tissue with PCGF3 antibody (clone PCRP-PCGF3-1D5) 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 PCGF3 antibody (clone PCRP-PCGF3-1D5) as confirmation of integrity and purity.



Flow cytometry testing of PFA-fixed human HeLa cells with PCGF3 antibody (clone PCRP-PCGF3-1D5) followed by goat anti-mouse IgG-CF488 (blue); Red = unstained cells.

Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using PCGF3 antibody (clone PCRP-PCGF3-1D5). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 targets on 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-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.

Description

Polycomb group (PcG) proteins form multiprotein complexes that regulate expression patterns of developmental and cell proliferation genes. Several members of the PcG contain ring finger domains and are identified as a subclass of RING finger proteins. The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteinerich domain that is able to bind two zinc atoms. Proteins that contain the RING-type zinc finger conserved domain are generally involved in the ubiquitination pathway of protein degradation. PCGF3 (polycomb group ring finger 3), also known as RNF3, DONG1 or RNF3A, is a 242 amino acid transcriptional regulator that is encoded by a gene located on human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. PCGF3 exists as two isoforms produced by alternative splicing events.

Application Notes

Optimal dilution of the PCGF3 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the PCGF3 antibody.

Storage

Aliquot the PCGF3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.