



PCGF2 Polyclonal Antibody

Catalog No	YP-Ab-07872
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PCGF2 MEL18 RNF110 ZNF144
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PCGF2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MEL-18;RNF110;TPFS;ZNF144;Mel18;Zfp144;PCGF2_HUMAN;PCGF2;DNA-binding protein Mel-18;RING finger protein 110;Zinc finger protein 144;PCGF2_MOUSE;Melanoma nuclear protein 18;Zinc finger protein 144 (Zfp-144);polycomb group ring finger 2;PCGF2 MEL18 RNF110 ZNF144;Polycomb group RING finger protein 2 (DNA-binding protein Mel-18) (RING finger protein 110) (Zinc finger protein 144)
Observed Band	37kD
Calculated Molecular Weight	37kD
Cell Pathway	Nucleus .
Tissue Specificity	Detected in all tissues examined with high expression found in placenta lung and kidney and low expression, in liver, pancreas and skeletal muscle.
Function	function:Transcriptional repressor. Binds specifically to the DNA sequence 5'-GACTNGACT-3'. Has tumor suppressor activity. May play a role in control of cell proliferation and/or neural cell development. Regulates proliferation of early T progenitor cells by maintaining expression of HES1. Also plays a role in antero-posterior specification of the axial skeleton and negative regulation of the self-renewal activity of hematopoietic stem cells. Component of the Polycomb group (PcG) multiprotein PRC1 complex, a complex required to maintain the



transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility., PTM:Phosphorylated. Homodimer formation is regulated by phospho

Background

The protein encoded by this gene contains a RING finger motif and is similar to the polycomb group (PcG) gene products. PcG gene products form complexes via protein-protein interaction and maintain the transcription repression of genes involved in embryogenesis, cell cycles, and tumorigenesis. This protein was shown to act as a negative regulator of transcription and has tumor suppressor activity. The expression of this gene was detected in various tumor cells, but is limited in neural organs in normal tissues. Knockout studies in mice suggested that this protein may negatively regulate the expression of different cytokines, chemokines, and chemokine receptors, and thus plays an important role in lymphocyte differentiation and migration, as well as in immune responses. [provided by RefSeq, Jul 2008],

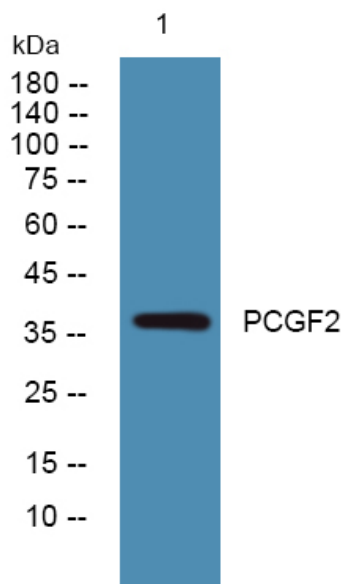
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night