

ZNF687 Antibody

Catalog # ASC11487

Product Information

Application	WB, IF, E
Primary Accession	Q8N1G0
Other Accession	NP_065883 , 24308227
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	129529
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	ZNF687 antibody can be used for detection of ZNF687 by Western blot at 0.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	57592
Other Names	Zinc finger protein 687, ZNF687, KIAA1441
Target/Specificity	ZNF687; ZNF687 antibody is human specific. At least three isoforms of ZNF687 are known to exist; this antibody will only detect the largest isoform.
Reconstitution & Storage	ZNF687 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	ZNF687 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZNF687
Synonyms	KIAA1441
Function	May be involved in transcriptional regulation.
Cellular Location	Cytoplasm. Nucleus Note=Predominantly nuclear (PubMed:26849110). Localizes to sites of DNA damage (PubMed:27732854).
Tissue Location	Widely expressed with highest levels in ovary, muscle, blood and lung.

Background

ZNF687 Antibody: The zinc finger protein 687 (ZNF687) was initially identified as a translocation partner gene with RUNX1 in patients with acute myeloid leukemia (AML). Little is known of the function of the ZNF687 protein, but it has been shown to weakly interact with the Ring1/Rnf2 RING finger protein member of the Polycomb group of proteins, suggesting it may be involved in the chromatin-modifying complexes essential for embryonic development and stem cell renewal. Other evidence suggests that ZNF687 may be part of a transcriptional network that also includes ZNF592 and ZMYMD8.

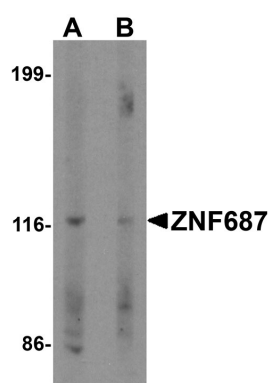
References

Nguyen TT, Ma LN, Slovak ML, et al. Identification of novel Runx1 (AML1) translocation partner genes SH3D19, YTDf2, and ZNF687 in acute myeloid leukemia. *Genes Chromo. Cancer* 2006; 45:918-32.

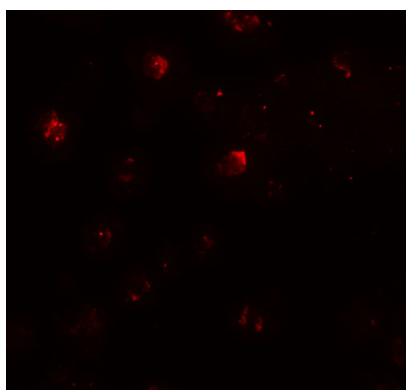
Sanchez C, Sanchez I, Demmers JA, et al. Proteomics analysis of Ring1/Rnf2 interactors identifies a novel complex with the Fbxl10/Jhdm1B histone demethylase and the Bcl6 interacting corepressor. *Mol. Cell Proteomics* 2007; 6:820-34

Malovannaya A, Lanz RB, Jung SY, et al. Analysis of the human endogenous coregulator complexome. *Cell* 2011; 145:787-99.

Images



Western blot analysis of ZNF687 in Jurkat cell lysate with ZNF687 antibody at 0.5 $\mu\text{g/ml}$ in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence of ZNF687 in Jurkat cells with ZNF687 antibody at 20 $\mu\text{g/mL}$.

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